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BOSTON, MASS., SATURDAY, FEBRUARY 27, 1897.

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Official Organ of the N. E. Agricultural Society LINUS DARLING,

PROPRIETOR. ISSUED WEEKLY AT JOHN HANCOCK BUILDING

178 DEVONSHIRE STREET, BOSTON, MASS. TERMS:

scontinued, except at the option of the r until all arrearages are paid. persons sending contributions to THE OUGHMAN for use in its columns must sign in name, not necessarily for publication, but PLOUGHMAN for use in its columns must sign heir name, not necessarily for publication, but is a guarantee of good faith, otherwise they will be consigned to the waste-basket. All matter intended for publication should be written on note size paper, with ink, and upon but one side spondence from particular farmers, giving results of their experience, is solicited. ters should be signed with the writer's real as, in full, which will be printed or not, as

Rates of Advertising: 12 1-2 cents per line for first insertion.

#### AGRICULTURAL.

to the top, makes a good wood-box.

Ensilage, or any food with a pronounced odor, should not be fed just appointment, loss of time and money. before milking. Milk readily absorbs Really superior vegetables may suffer

none too large on good soil. Land which demand and comparatively good prices. is merely run down may be a bargain, In a few lines only we secure our oldbut poor land is poor property.

work as a ton of ensilage, and is worth no more as cattle food.

## Extensive Pruning.

F. J. Kinney, the Word horticultural meeting, he cited the in- ing the cost of production is appreciated copper. stance of a neighbor who had a fine by the gardeners who use every new The knot spreads by spores and cop-quicker. orchard, but who had the trees trimmed, implement which purports to save hand per is death to the spore that it touches. was an admitted fact that you could not crops. remove a very large limb from a tree without injuring the growth of the whole tree. The best orchards he knew blundered; in most cases we have paid the copper solution of one pound sulof were those that had been trimmed excessive prices. While the finished phate of copper in twenty-five gallons the least, but which were well fertilized.

lengthy maceration lessen the poisonous in place of stable manure." substance very like saponine and col- several formulas.

## A Cow's Daily Board Bill.

How much is the cost of boarding a 1000-pound cow for a day? Several of the experiment stations have figured

Wisconsin-32 pounds of corn silage, ten of clover hay, five of bran; or, 15 rate of 200 to 300 pounds per acre, and tree, the black aphis, has within the last pounds of clover and timothy hay, five muriate of potash in smaller quantity, two years nearly disappeared, after of corn fodder, five of bran and five of both sown broadcast." gluten meal. Cost in either case, 10 1-3

Iowa-8 pounds corn, 8 of oats, 15 of clover hay. Cost, 8 cents.

Minnesota-18 pounds clover hay, 10 of beets, 10 of bran, four of shorts. Cost, five cents. Or, 14 pounds prairie hav, 10 of bran, and four of shorts.

corn, and six of oats. Cost, four cents. New York-40 pounds corn silage, 10 of clover hay, four of gluten meal, three of cotton-seed meal, and one of treat commission merchants is to give bran. Cost. 15 cents.

nearest the conditions upon a New Eng- watch of the dealer's doings until the land milk farm; but where there is no money is in our pockets. ensilage, less cotton-seed and more bran

## Greiner on Market Gardening.

OME OF THE LATEST PHASES OF THE IN-DUSTRY BY A WELL-KNOWN AUTHORITY.

who is, perhaps, the best known of mod- planter are great labor savers. ern writers on Horticulture and Market

Phases of Market Gardening."

TOO MUCH "TRASH."

time for us to warn those who, having grees. made a failure of general farming, clerk- "In conclusion, let me express the hope ship, storekeeping or office-holding, in- that the return of old-time prosperity tend to take up gardening without prev- may be close at hand, and that we may ious training and experience. If our thus be relieved of all further anxious An old dry goods box, minus the efforts to scare them off are successful, speculations and doubts as to the future cover and about a foot of one side next it will be a favor to them as well as to of market gardening. We have full those already in the business. It will faith that all will turn out well in the prevent undesirable competition for the end." latter, and save the former certain disif the market continues to be filled with Don't buy poor land. Profits are trash, but they seldom fail to find a fair fashioned good figures.

CHEAPENING THE COST.

a general rush and a breaking down

MANURE IS COSTLY.

Horse Chestnuts for Live Stock. We still pay old-time rates, and in three sprayings of strong Bordeaux The claim 18 advanced by certain many instances even increased ones, mixture, finishing by the time the fruit French experimenters that horse chest- for stable manure. If gardeners in the is half grown. nuts are a nourishing food and tonic. It vicinity of the cities could agree to be The copper solution and the Bordeaux was found that sheep could eat with im- less anxious to buy it at whatever the are both useful and necessary in conpunity about one pound of fresh horse- seller may see fit to ask, the latter would trolling the shot hole fungus of the leaf chestnuts daily, and that cows could have to sell it for what you might see and the rotting of the fruit on the plum, eat about four and one-fourth pounds. It to offer. In some cases we may be so one method of work is serviceable in Ducks were poisoned with a ration va- able to draw on home resources by controlling these distinct troubles. But gying from one drachm to two ounces making composts of dry muck, with Mr. Platt desired to state that from redaily, and pigs absolutely refused to eat wood ashes and bone, or with other peated trials of Bordeanx upon Japanthem. Torrification or drying and forms of mineral plant foods, using this ese plums he had found that it had al-

use of nitrate of soda on such crops as The impression seems quite prevalent beets, spinach, cabbages and cauliflow- among our people that we cannot grow ers, either alone, as in the case of the plums on account of black knot, which muriate of potash, as in the latter two. dinary intelligent and not expensive Sometimes lime adds to the stimula- care in a locality will keep down the tive value. We usually apply at the knot. One of the enemies of the cherry

business, Mr. Greiner said:

Nebraska-16 pounds alfalfa, six of rarer cases with retailing grocers, for them. cash only. If we have superior vegetables, we can usually find private buyers but this year it is hard to sell at any money to carry on our farms. willing to give a fair price. Our way to them no chance. If we ship to them, The New York ration and cost comes we soon follow the goods, and keep

NEW DEVICES.

"Among the newer devices and smelling barn.

methods few have been such a help as the Meeker smoothing harrow. We hope, however, to find in Clark's cutaway smoothing harrow an implement One of the most instructive lectures costing less than half as much and fully of the course at Horticultural Hall was as good, perhaps better in some ways. given last Saturday by Mr. T. Greiner, The Breed weeder and Bemis trans-

"Of newer methods the so-called 'new Gardening. His subject was "Some onion culture' and the system of applying water to greenhouse crops by sub-Mr. Greiner expressed the opinion irrigation have made a deep impression that the business was becoming over- on our garden practices. The latter seems by far the safest plan for lettuce beds, and it has enabled me to grow There is no welcome for new-comers. finer, larger and healthier plants, es-There are too many producers of trash pecially of the hard heading newer in it already. Market Gardening has sorts. The bench is made water tight now entered a stage of development in by means of a cement lining, two-inch which a thorough weeding out seems tile pipes are laid across the bottom two imperative and inevitable. Its less or two and one-half feet apart, the end skilled devotees will have to drop out, tile which receives the water being and only the fittest can survive. It is turned up at an angle of forty-five de-

## Fighting Black Knot.

THOROUGH WORK WITH COPPER SUL PHATE WINS THE VICTORY.

crops one can produce with best pros- said, seems to be true, as it is feeding In the spring, if the hogs are kept what each knows may be of value to the country. readily brought under control by cutting like

the thing yields.

The way to use the copper is to spray "In buying manures, most of us have in spring before the buds open, with product sells at cheaper rates, the raw of water. Later on, in early summer, material generally remains the same. when the tree is growing, give two or

ways worked injury to the foliage, and properties of this fruit, which, it is The speaker alluded to the practice of course he was unable to recommend thought, are due to the presence of a of home mixing of fertilizers, and gave it for them. But the European plums farmers were obliged to maintain the lars in celery raising, which resulted in interior, while eggs from Australia have been "Striking results are obtained by the the foliage to the end of the season. the present plan. Mr. Derby thought having been regularly on hand for fif-In regard to the market end of the teen years. Cherry trees released from this octopus have launched out into old-"A prolific source of loss to us has time vigor. With the monilla and curbeen our carelessness in selling to irre- culio under partial control, with the sponsible buyers and in consigning black knot and shot hole fungus under products to commission merchants, ready control, these two old-time fruits, With us the only safe way seems to be plums and cherries, need not be de. to deal directly with consumers, and in serted by any one who loves to grow fered, yet I think most of you can show printed articles on celery culture that he other industry.

price. At three cents a pound for two-

Conn's baccillus 41, or any combination of baccilli cannot remove the taint



## Artichokes for Hogs.

ED. MASS, PLOUGHMAN: DEAR SIR:cess to it, so much the better.

pects of profitable sales is a matter on trees of the wild cherry and the out and the ground smoothed over with other. Now, if these two neighbors commercial importance of poultry in. and color of skin and legs. Is very yellow skin which each individual gardener must sweet cherry and multiplying itself on a harrow, there will be plenty of seed should happen to get into conversation which each individual gardener must settle for himself. To point out any special crop as promising would cause special crop as promising would cau and fruit grower, does not believe in of the prices of the product thus recom- and burning the knots and spraying the pits than kept in cellars, like potatoes. farmers—the writer is sorry to say— wheat crop. In 1880 there were 126,000,000 highest price or are those having thick brown much pruning for trees. At a recent mended for general culture. Cheapen- tree with solutions of sulphate of They will not bear warmth and air who, while they have found an interlike potatoes, being inclined to decay change of ideas of benefit when made 286,000,000, and in 1896 to 383,000,000. In spite excels in those qualities or engraft it on to

with the result that his crop of apples labor. He tries to get his soil in shape The only requirement necessary for of the cheapest crops raised, and horses, do not believe any good can come to thousand dozen eggs are exported annually, liftic qualities should not be lost sight of in makhas since materially deteriorated both to produce the largest possible yields, success is to do thorough work and you cattle and sheep are equally fond of them through an agricultural paper, chief the largest possible yields, success is to do thorough work and you cattle and sheep are equally fond of them through an agricultural paper, chief the largest possible yields, success is to do thorough work and you cattle and sheep are equally fond of them through an agricultural paper, chief the largest possible yields, success is to do thorough work and you cattle and sheep are equally fond of them through an agricultural paper, chief the largest possible yields, success is to do thorough work and you cattle and sheep are equally fond of the largest possible yields. in quality and quantity and quantity and quantity and quantity and produce the largest possible yields, success is to do thorough work and you cattle and sheep are equally fond or them through an agricultural paper, them. Care should be taken that the hence they do not take even one of that three years about a million dollars' worth of right kind of seed be planted. I have class of journals. no seed for sale.

een known to have the cholera.

ANDREW KNOTTER, East Harwich, February 16.

## Market Topics.

GARDENERS DISCUSS THE BOX QUESTION AND THE OUTLOOK FOR AGRICULTURE. tural papers, and their sons inherited

The box question was resumed at opening of last Saturday's meeting of

the Boston Market Gardeners. Some of the speakers thought the present system of changing boxes in which the goods are sent to market for could be made more suitable by agreemen to accept only boxes in good condition. Others explained that the are uniformly benefited by it, retaining wear and tear of boxes, in any event, by to consider the matter.

did last year?

Prices are improving. Onions and but the application can be made to that Therethe great wheat sections are no more than cier who raises his birds on farms where they year-old corn, cob and grain, it would beets sell for double the prices of a branch of farming.

150 miles from seaports, while the wheat regions are given every chance; but there are also those pay well if the demand were more year ago. Competition will bring down If you can get a good idea across a line of the United States are 1000 miles from ship-ness and profitable qualities. Too frequently

Mr. A. H. Ward spoke at length upon tant, and get it out of an agricultural the United States for the trade of Europe. with which milk leaves the filthy, bad-smelling barn. the fertilizer question, claiming that the station valuations were unfair.

#### How Reading Helps.

choke patch. If it is in some out of the does not always remember them at the end. way field, so that the hogs can have ac- right time. Then, again, there are some things that may never come to the at-The richer the soil, the greater the tention of some farmers. In dairying,

Hogs on an artichoke diet have never ers are not the only people that are so our exports. The imports for last September pig-headed on the subject of "book dozen for the same period the previous year, farming." The writer knows of busi-showing that the egg imports are increasing ness men who entertain about the same rapidly. There is as yet no over-production opinion of agricultural papers. This Where prices are low it is due to unequal disclass of business men, or many of them, tribution. The number of eggs consumed per began life on a farm, and had fathers head of population is fast increasing in this who did not believe in taking agricul-many.

THE FOREIGN MARKET FOR EGGS.

from them their peculiar views. ance, a very successful business man, consume. They depend upon other count who-though strange as it may seem- for their supply, and the number of eggs they has no faith in agricultural papers, does not believe any information of real beneness men of the same city were in some countries, the larger part of them came from way induced to invest ten thousand dol- Russia. Eggs from France reach English cities the loss of the entire amount invested. quoted in London as high as fresh eggs from They depended on the superintendent France. outright with the contents. Others of raising the crop, and he, while he Second question—Is it policy for us The writer suggested to his friend that rope to other countries. to do as much business this year as we it would be well to subscribe for some In view of these facts, when the authorities hardiness and breed them with choice pure agricultural papers, or at least get some of other governments are doing so much, is it bred males of the desired breed. By using Mr. Stone—Competition comes from issues that contained articles on celery not surprising that our own government does so pure bred cocks of a certain breed for genera-Mr. Stone—Competition comes from every quarter more and more. We issues that contained articles on celery little to foster and develop this industry? Is it because public officials, like the majority of the most a pure breed, even better for practical must raise less, or raise better, or get that so long as they had a "practical people, are ignorant of the state of affairs, or is purposes, if the common stock used was of more for it. If you have a surplus of man" (?) for superintendent, that was it because poultry raisers do not make them. the right sort. These grades have the desirable good strong heavy land, better lay it all that was needed, and took special selves felt as do the representatives of other qualities of the males' ancestry and retain much good strong heavy land, better lay it down to grass and raise your own hay.

all that was needed, and took special industries? No live stock is so generally kept by both rich and poor as poultry. A larger The mixed males should not be used for breed-Mr. Wellington-Last year was a ly opposed to "book farming." Later number of persons in this country receive in- ing. Kill them as soon as they are large period of depression. All classes suf- the writer was able to show him some come from the poultry industry than from any enough to make good broilers. Make it a rule

quotations in many lines, but we should fence from one of your neighbors, why ping. As Argentine wheat costs less for trans-ness and profitable qualities. Too frequently

Clinton, Iowa.

known in time.

# Farmers' Meeting

THE PLOUGHMAN

Essay by Samuel Cushman, of To do this best our poultry should be im-Pawtucket, R.I Subject: "The Best Means of Improving Common Farm Poultry."

day's Farmers' Meeting at Wesleyan country, are but a drop in the bucket in com-

of poultry. He is manager of the poul- any one familiar with the situation. try and bee department of the Rhode Island Station, and no one man has done breeding and feeding."

Mr. Cushman asserted that he should speak from brief notes, and referred his appreciated. Western poultry has in the past audience to the PLOUGHMAN for the full brought low prices because it has been inferior text of his address.

sign of interest, and was heartily ap. are learning the lesson and are not slow to act, they are paying more attention to the fine details. There are a great many things that plauded at the close. The discussion Their product is improving very fast, and before Breeders of hogs should have an arti- perhaps the average farmer knows, yet was well sustained from beginning to long refrigerator cars will bring as fine poultry

MR. CUSHMAN'S ESSAY.

MR. CHAIRMAN, LADIES AND GENTLEMEN: Few, unless they have made a special study are not satisfied with the price received and be-The spread of the black knot was disyield. We have had reliable persons as in all branches of farming, an interof the subject, realize the commercial imporcussed at the recent meeting of the tell us that in rich bottom land the change of thought and ideas is what is tance of the poultry industry. Statistics show Conn. Pomological Society, by the State yield is often 2000 bushels per acre. needed. One person may know one that in this country it represents a permanent Pomologist, Mr. N. S. Platt of Cheshire, They are very easily raised, and in this thing about dairying that his neighbor Investment of \$340,000,000; that the fowls kept Visit the markets where only the best of every-If you haven't any silo, try growing a few stock beets next season. But a largely a local question. What special argely a local question. What special argely a local question. What special argely a local question is largely a local question. What special argely a local question is largely a local question. What special argely a local question is largely a local question. What special argely a local question is largely a local question. What special argely a local question is largely a local question. What special argely a local question is largely a local question is largely a local question. What special argely a local question is largely a local question is largely a local question. What special argely a local question is largely a local question is largely a local question. What special argely a local question is largely a local question is largely a local question. What special argely a local question is largely a local question. What special argely a local question is largely a local questi

DUSTRY. foreign eggs have been brought into this coun-But right here let me say that farm, try. Our imports are ten times greater than

Resides our home market there is a wide foreign market for eggs. England and Germany The writer of this has an acquaint- do not produce sixty per cent of the eggs they four million dozen eggs (209 tons), or paid out fit to a farmer can be found in them. A nearly \$50,000 for eggs each day. Although few years ago he and some other busi- these were imported from over twenty foreign in better condition than those produced in the

cheap boxes should be made and sold entirely for a knowledge of the business Ia 1894 Germany's egg imports exceeded her dollars were paid out by her for foreign eggs. thought the cost of the boxes could not had had some experience in the business, Canada produces her own supply and exports former two, or in combination with is a very wrong impression. Only orvoted to appoint a committee of seven side of what his own personal observation and experience would furnish. competition with grain from Russia, India and South America, and leaves the egg trade of Eu-

them.

The distribution of the ledger of the ledger.

Pop corn is sometimes a good crop,

The distribution of you can show printed articles on celery culture that he was forced to admit would have been of great benefit to his company had it been produced 2,000,000 tons of wheat, although but who intends to keep a breed pure to breed from any male choice specimen of a pure breed.

Show birds are not what the average of the ledger of the ledger of the ledger of the ledger.

The distribution of the ledger of the ledge a small section of that country had been culti- Not all show stock lack in vigor; in fact, some of Mr. Sullivan-Prosperity is in sight. Now this is hardly a letter on dairying, vated. Soon 10,000,000 tons will be produced. the most vigorous birds are raised by the far redouble our efforts to produce at lower can't you get an equally good one from portation, that country, when extensively culti- the thoroughbred fancier selects his stock en a farmer a hundred or more miles dis- vated, will be a strong competitor for or against tirely on account of its possessing show points

F. W. MOSELEY. While the transportation of one dollar's worth of potatoes 1000 miles costs us forty cents and (Continued on second page.)

one dollar's worth of wheat twenty cents, one dollar's worth of eggs may be shipped the same distance for eight cents. Will not the people of this country, to hold their own, be obliged to Was held in Wesleyan Hall, 36 produce and import food in a refined and more valuable form instead of as rough, crude and Bromfield Street, Boston, Mass. bulky products? As much as possible of the Feb. 20, 1897, at 10 o'clock A.M. grain of this country should be turned into

UNIMPROVED STOCK PREDOMINATES. Without doubt the bulk of our 383,000,000 fowls, which annually produce 136,000,000 dollars' worth of eggs, should be classed as common farm poultry. The pure bred or fancy The hall was well filled with the larg- fowle bred for exhibition purposes, and the est audience of the season at last Saturparison. That the poultry product of the Mr. ABEL F. STEVENS, chairman, in- whole country might easily be increased twentroduced the speaker as "one who had ty-five per cent in quantity and improved ten devoted his lifetime to the improvement per cent in quality by the adoption of better breeds and methods will not be questioned by

IMPROVEMENT IN WESTERN POULTRY.

This improvement is now going on with great so much to bring about improvement in rapidity in the West. For a long time fanciers have thus been distributing pure bred poultry, and their superiority over common fowls in the production of marketable products is becoming to eastern raised stock, but this difference is The essay was received with every growing less each year. Western producers from the West as is now secured in New Jersey and the East. Yet many eastern farmers still put poultry on the market that is no better than the most inferior western stock. No wonder they come disgusted with the business

It surely pays best to raise the finest product. old fowls, and learn the preferred size, shape, potatoes: but are better buried in both would be benefited. But there are almost as much money to the producer as the velopment? Do large white eggs bring the of this rapid increase in poultry stock this coun- your stock by crossing or grading. Of course across a line fence, are so opposed to try does not now produce enough poultry pro-The artichoke for hog feeding is one "book farming," as they call it, that they ducts for home consumption. While a few ities, quick growth and early maturity or pro-

> WHY SOME ATTEMPTS TO IMPROVE FAIL. Many attempts to improve a flock of fowls have resulted disastrously. Quite often a farm-

> er having a flock of common stock that is well

acclimated and free from disease, but not very profitable, disposes of them and secures pure bred fowls, which he gives no better care. Having been improved and made more profitable partly by receiving excellent food and care, the improved fowls do not thrive. Possibly they are from high scoring fancy stock that has been weakened by being over shown and inbred. Under his management they may be no more profitable than his common stock, while they are more sensitive to exposure and susceptible to disease. He has about as much use for them as a man without a hothouse to put them in has for hothouse plants. This man may become prejudiced against pure bred fowls. birds from stock that had not been bred for ex hibition points for several years, and at the same time had taken more pains to keep the henhouse clean, free from lice, and to provide bet ter food and enough of it, he would doubtles, have secured a greater profit and have been gratified with the results. Proper food has much to do with improving a breed, and improved characteristics cannot be retained unless sustained by it. Common scrubs endure privation and exposure best and it is not therefore

VALUE OF COMMON STOCK TO THE FARMER In many cases it is best to save some of the best shaped and most thrifty looking of th common hens on account of their extreme never to breed from any male that is not a

always wise to discard them. It may be diffi

cult to secure really good birds for useful pur-

who intends to keep a breed pure, should buy and ignores the economic qualities. It is safer

#### FARMERS' MEETING. THE ESSAY.

(Continued from first page.) with other breeds, or for grading, than to breed

them pure. Practical producers have found out that fancy breeders pay little or no attention to egg production or other utility qualities, that the high scorers are not the most useful birds. There is now, more than ever before, a strong and persistent demand for pure bred stock that chickens having yellow skin and legs. The pinhas been carefully bred for egg production or feathers of the dark plumaged birds are also excellent market qualities.

ARTIFICIAL POINTS NOT PERMANENT.

any one can well afford to pay. stock, if he can obtain no other and wishes to mouth Rocks, which have no feathers on their

VALUE OF CROSSING. breeding may at once be overcome in the first eross for brown eggs, mate large White Leggeneration, while the good qualities may be re- horns or Buff Leghorns with Light Brahmas or tained and intensified. The combination of Buff Cochins rather than with Wyandottes or the different elements or tendencies usually Plymouth Rocks, as the results will be better. gives them an impulse that causes them to If you cross for flesh production, mate com

the influence of the other.

may be combined with hardy although less de- and Wyandottes with good results. sirable breeds and first crosses secured that The best pure breeds for white eggs, where possess all the profitable qualities of one and yellow poultry is a consideration, are White much of the hardiness of the other. Such stock Leghorns (large strain) and White Plymouth most profitable for market production. THIS IS NOT NEW.

These facts are common knowledge among the Where dark legs and white skin are not obmost experienced market raisers of cattle, jected to, keep Black Minorcas for large white sheep, hogs and poultry. The largest, fleshiest eggs and Black Langshans, which are hardy, value than all other arts combined. "Use no of poultry was shipped from Boston to other." If your lens are not laying eggs, try and most hardy specimens for the market have for deep brown eggs. A Black Minorca-Langbeen secured by crossing. The largest and shan cross is probably the best cross for egg MICA CRYSTAL GRIT. plumpest capons, geese, ducks and turkeys may production, if size and number of eggs and hardi be obtained by judicious crossing.

pose the teaching of these facts, and try to dis- on Langshans with good results if your market pute and argue them down, but it is of no use. does not require yellow poultry. Editors and publishers who are induced to sup the industry more than they are helping it. dividuals is as important as the selection of the Bradley Fertilizer Co., NEW ENGLAND They go back on the farmer and producer if breed. Do not be satisfied with the cheapest, MICA-CRYSTAL CO, Concord, N. H., Mfrs for if poultry keepers generally could be con, animal has as strong a tendency to perpetuate verted to these views, taught how to avoid the its inferior qualities as its superior qualities evils of and how to realize the greater profits to Secure the most vigorous and thrifty specibe derived from choice, pure-bred breeding mens that can be found. If possible, secure birds, the demand for stock would be increased the best, in this respect, out of a flock of sev-

No man believes in the value of pure-bred your breeders. birds more than I do or in the importance of | Ignore the strictly fancy or exhibition points insuring their distribution throughout this but see that the general characteristics of the S country. The producer would be in a sorry breed are well developed. Discard all showing plight indeed without pure breeds to draw on. the slightest trace of sickness or the effects of BARTLETT, & HOLMES, I do believe, however, that the practical raiser, disease. Do not expect to get the best stock one who simply produces for market, does not from immature birds, for this sort of breeding, C. A. BARTLETT, Worcester, Mass. practical points. Yellow-meated towls make the best use of his pure breeds if he does long followed, will run out the size and vigor of not raise crosses. The market producer who any stock. not raise crosses. The market producer who also sells pure-bred stock and eggs for breeding purposes, if successful, probably gains more

It is probably evident to you that I am not be a to defend the follies and, what are to you,

market, who owns pure breeds and does not want to say, however, that poultry fanciers cross them, is, in my opinion, not making the most of his opportunities—is behind the times. It is they that preserve the various breads why not acquire it? If he does not adhere to the proper course the result will be disastrous; for some special purpose, and exhibit them in its easier to sail along with pure breeds, per. haps, but we believe the game is worth the namely. The trouble has been that most of the country and thus extend the namely. The trouble has been that most of the country and thus extend the namely. From them, are not the proper course the result will be disastrous; for some special purpose, and exhibit them in the fortunate traveler. Such an arrangement would outdo even the nearly them above. From them, are not the proper course the result will be disastrous; for some special purpose, and exhibit them in the fortunate traveler. Such an arrangement would outdo even the nearly to the gentleman at my left. candle. The trouble has been that many that to encourage these shows. From them we have tried it had but slight comprehension of secure the raw material for the improvement how it should and should not be done.

AVOID THE EVILS OF CROSSING. birds on both sides. The first cross product done more to introduce them than their utility should not be bred from, but should be marketed qualities. Birds bought on account of their or kept only for egg production, except when beauty are widely scattered, after which they the females are to be "graded up." These birds are bred for utility. The knowledge of the are usually such fine specimens that, although breeders' art possessed by the fancier will enthe raiser is told never to breed from them, especially from the males, he is tempted to disdeveloping the utility of the fowls when he regard this advice, and the result, after one or finds that such development is as essential to two seasons, is that he has the most inferior lot his business as it is to that of the cattle breader. of fowls that he has ever owned.

and or third crosses, or fowls mixed indiscrim- enough to find this out some years ago, and inately, deteriorate very rapidly. The pure have been well rewarded through their sales breed has a strong influence in one direction, of birds of what are now the most popular When two breeds are crossed each has a strong breeds. influence on the progeny, which is like both. Crossing destroys this influence. The cross progeny have little prepotency; there is no this very practical paper on improvestrong influence in any one direction. All sorts strong influence in any one direction. All sorts of ancestral influences affect their progeny, and lost. The essayist has come loaded for worthless for this reason; no matter how fine, questions and will answer you freely. there is no uniformity. Cross bred males are they are almost sure to produce inferior stock.

Do not forget that there is a wrong way to great setter? cross as well as a right way, and that the for- Mr. Cushman-Yes; to an annoying mer course is the worst course that you can extent. I find some of the game crosses pursue in breeding. If you attempt it, be sure troublesome setters and not hardy. The that you do it the right way, avoid the evils and most satisfactory to use for setting are For Lauens, Plants, and Garden Purposes. secure the benefits of the plan.

give us something definite. Advise us as to Brahma. which are the best breeds and which are the Mr. Sampson-What do you think of best crosses.

THE BEST BREEDS AND CROSSES.

The best breed is the one whose product, pure breed. It is somewhat like a quantity considered, best suits your particular cross breed, being a recent production.

poultry having very yellow skin and legs is a gaining ground faster than any breed, senseless fad, just as much as breeding for gaining perhaps on the Plymouth Rock. beauty of feather is a fad. People ignorant of The only objection I have to the Plywhat good poultry is think a yellow chicken mouth Rock is that there is black blood looks rich and healthy. The fact is that a thin, in it and it shows a tendency in crosses wasted chicken will look like a healthy one, be- to revert to its ancestors. Some of cause the color of his skin is yellow, while a the cross bred chicks will be nearly white skinned bird must be plump and fat or it black. It will have dark pinfeathers at will not pass muster. Unless fat and in good certain stages of growth. The White condition the flesh of the latter shows through Plymouth Rock is like to become a fine its more tender and transparent skin and there fowl, when the breeders have devoted fore looks blue and unattractive. Certain more attention to developing its practibreeds that have the most julcy, tender, and eal qualities, but at present it is not as delicious flesh of all fowl, have white skin and stocky and solid as the barred variety. white or dark legs. In some markets, Phila- Mr. Low-Are you familiar with the delphia and New York, a good chicken, one White American or the White Wonder? that is soft, tender, plump, and fat, is all right, Are they identical with each other or regardless of color of skin or leg. But you with other breeds? must bow to this fad where it exists in order to sell your goods unless you have a private trade

Brown eggs are preferred in Boston and some Brown eggs are preferred in Boston and some other eastern markets while white ones bring distinct from the other two. the best price in New York City.

There is usually no real difference in the less are. The eggs from Leghorns, Black Span. cross of two breeds? ish, Minorcas and Hamburgs, breeds that are non-sitters and most persistent layers, may to-bred males to breed again. Use pure ward the latter part of the season be less rich | bred | males each time. Or you can re-

and sometimes pale and watery. This is due, however, to the fact that they have exhausted themselves by excessive laying or have not had sufficiently nutritious food or enough of it-Their early eggs are as rich as any brown eggs. All there is in it is this-the breeds that lay brown eggs are more hardy and stocky. They are not so prolific and do not lay enough to excient material to produce a good egg.

If your market calls for yellow poultry you must not select stock that does not product objectionable. Some dark breeds, when mated with white breeds, produce white or very light Fortunately, unnatural show points are not chickens. White and buff fowls are to be prepermanent, the best and most useful qualities of ferred. If you are to raise brown eggs you the various breeds can usually be restored by must not keep pure breeds of the non-sitting breeding them for several seasons in a rational varieties. You may cross them with the breeds way. Stock thus bred can now be obtained of that lay brown eggs and get excellent stock that the more practical breeders at a price which produce brown eggs. If you are to keep your stock pure you have, from which to choose The safest way for the farmer to utilize show White and Buff Wyandottes and White Ply. take no risks, is to cross them with other breeds. which do have feathers on their legs. They also By crossing, the undesirable effects of show make most excellent yellow poultry. If you

grow quicker, larger, and become prolific. pact yellow-legged games, white or light colored An improvement in hardiness may always birds preferred, with any of the foregoing, or be depended upon, and when dissimilar breeds stocky Wyandottes or Plymouth Rocks with the are rightly combined the special qualities of Light Brahmas or Buff Cochins. Both Cornish each may be secured in the first cross. De- and Indian Games, which are slow growers, fects in one breed may be counterbalanced by Houdans, which are quick growers, have full flesh development but dark plumage, and may Tender but otherwise very desirable breeds be mated with Light Brahmas and Buff Cochins

suffers less from exposure or disease and is the Rocks (white egg strain). If you cross for FOR white eggs, try the White Minorca-White Leghorn cross

ness only are considered. Houdans for flesh. Short-sighted breeders of pure bred stock op- Indian games and Dorking cocks may be crossed

SELECT CAREFULLY. press these facts and preach the raising of pure | When selecting stock, either for crossing or for breeds only, are hindering the development of pure breeding, remember that the choice of indo it, and hurt their advertisers besides; meanest specimens, for a pure bred fowl o eral hundred, and do it every time you select

than he loses by refraining from crossing.

The producer of either eggs or poultry for the absurd fads of the poultry fancy. I do

Golden Spangled a Spe
juicy. There is as much difference between Dorkings and Dark Brahmas as glory of roses, shining to the right of common poultry. Practical raisers now

receive the benefit of their labors. When followed, it is best to use pure bred Without doubt the beauty of fancy fowls has A few breeders who have been able to make

First crosses may be depended upon, but sec- the standard for certain breeds were wise

#### THE DISCUSSION Chairman Stevens-After listening to

Mr. Sampson - Isn't the game cross a

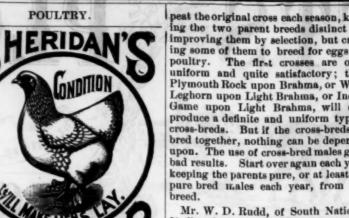
the crosses of Partridge Cochin and the Now you may say this is all very well, but common fowl, or a cross of the Dark

the White Wyandotte?

Mr. Cushman-It is as good as any It contains Dark Brahma, Hamburg The demand in certain sections for market and perhaps a little Cochin blood. It is

Mr. Cushman-The Whi'e American is an excellent breed, and much like the and are willing to carry on an educational cam-I only know from having seen it at

Mr. Sampson-How do you avoid the quality. The eggs of game fowls, which pro- deterioration which you sav results from duce few, are considered the richest and doubt-



e young pullets lay early. Worth its weight in gold for moulting hens, and prevents all disease Large Cans Most Economical to Buy.

It is a powerful Food Digestive. ore, no matter what kind of food you use, mix faily Sheridan's Powder. Otherwise, your profit and winter will be lost when the price for eggs and winter will be lost when the price for eggs. It is survey perfect assimilation of the food survey of the produce health and form eggs. It is produce health and form eggs. It is also that a centa day. No other kind is like it. If you can't get it send to us. Ask First Single pack, 25 cts. Five \$1. Large two-lb. can \$1.20. Six cans, \$5. Exp. paid. Sample "Brat Poultray Paper" free L.S. JOHNSON & CO., 21 Custon House St., Boston, Mass.



POULTRY, YOUNG CHICKS, DUCKS, GEESE, ETC.

other." If your hens are not laying eggs, try England, and this trade seems likely to quart per day.

"I have used your grit for some time and like it better than any other I have used,"—C. L. DARLINGTON, Manager for Hou, J. J. Astor Ferneliff Poultry Farm.

"I should just as soon think of keeping house without a stove as poultry without your grit."—

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peat the original cross each season, keeping the two parent breeds distinct and improving them by selection, but crossing some of them to breed for eggs and ing some of them to breed for eggs and poultry. The first crosses are often uniform and quite satisfactory; thus, Plymouth Rock upon Brahma, or White man has been broken up through the Leghorn upon Light Brahma, or Indian neglect of the grower to pay his bills. dame upon Light Brahma, will each produce a definite and uniform type of cross-breds. But if the cross-breds are bred together, nothing can be depended upon. The use of cross-bred males gives bad results. Start over again each year, keeping the parents pure, or at least use pure bred males each year, from one

Mr. W. D. Rudd, of South Natickin thoroughbred poultry. Some of the "A year ago my food-cost per cow Thoroughbred stock possesses certain advantages. Some of the eggs can be 100 cents was purchased. On this exfor breeding. It is better and easier to have all the fowls alike. When you quart. The ration was: Twelve pounds have selected and obtained a good type of the breed, it is well to retain it, and hay, eight pounds of corn fodder, ten

white-skinned fowl is just as good to following ration was adopted: Twenty eat, but we must learn to raise what- pounds of hay, three pounds oat straw, ever will sell for the most money. We three pound oats, six pounds wheat bran, are after every dollar we can get. According to my experience in dealing extensively in the markets of New York and two pounds of cotton-seed meal. and Philadelphia, these cities are com- This ration cost 21 1-4 cents a day. Of ing to follow the taste of Boston in preferring yellow skin and flesh.

tioned. It is not generally known that increased to 15 14-100 quarts a day, continue and increase.

great extent except for special reasons. quarts per cow, and the milk cost me For instance, at certain seasons of the 28-10 cents per quart. Last year the year we can get fresher eggs from Prince yield was 3754 quarts per cow, and the Edward Island than from the West, hence eggs are imported from the

coming extremely peculiar in its re- weeding out the poor cows and putting twenty to the box and never mind the intervals. flavor, when every grower knows that "I guess so" was discharged, and "I smaller ones are better to eat.

Mr. Cushman-Probably Mr. Rudd and myself do not differ much on the thoroughbred question. Those who can sell for breeding will find the pure breeds more profitable. It is well for the poultry business that there are breeders | Hungary are successfully making use of who, like Mr. Rudd, are breeding for the Provence rose for hedges by the are certainly not better for the table, although the Boston market may demand tracks from drifting snow. The writer, them. The Dorking, for instance, has in imagination, pictures the scene of a an almost pink skin and flesh, and is "summer's journey gladdened, by the between sirloin and rump, or between and left of a swittly gliding steam

In reply to the gentleman at my left Michigan Central's happy custom of (Mr. Sampson), I would say, don't pick at the market, but give the market what it wants. The farmer is after the most money and never mind the looks. The gardens .- Scientific American. biggest geese have been cross-breds, and

PROFILE KUM INCRE

They must be vigorously healthy. One of the escentials officealth is sharp, hard grit constantly before them.

With a Costello Grit Machine you can make this grite asily and rapidly and from any waste material, as broken dishes, stone chips, gravel, etc. Price only \$3.50. Send for catalogue.

21 Waterboro, York Co., Me.

22 Wheat where would result increased demand for pure blood for crossing and for breeding us their common fowls, there would result increased demand for pure proposes. bred males for these purposes.

(Continued on eighth page,)

## Nurseryman and Grower.

WHILE THE OTHER SHOULD TARE CARE cures when all other medicines fail.

The mutual relations between the the cures by Hood's Sarsaparilla, is

He thought the nurseryman gets a Hood's Sarsaparilla has a larger sale than great deal of abuse which he does not all other blood purifiers. It wins condeserve. He must be a man of intelligence. He cannot know too much are verified by all who take it. No other about his business. He should be a medicine has ever received such praise, or good botanist and should thoroughly so many voluntary testimonials of wonunderstand the physiology of trees. He derful cures. No other medicine possesses should be an entomologist. The terrible San Jose scale, the extirpation of which will involve millions of dollars, was started through the ignorance, no doubt, of the nurseryman. The nurseryman should be a good pomologist. He ought to understand the changes which are rilla, and which give it merit peculiar to made in fruit by the changes of season and location. He is the guide of the fruit grower. The nurseryman should also be a scientist, thoroughly conversant with fungus diseases and the rav- Humors, Kidney and Liver troubles, Dysages of insects; also should know the methods of escaping them.

The fruit grower ought to know how to take care of his trees. Sometimes the trees are practically dead before the grower gets them home, owing to his neglect after they have reached his hands. Frozen trees should be buried immediately in soft ground, roots, branches and tops being covered. Peach and plum trees should be faithfully trimmed. The peach should also be subjected to this treatment. Every time the tree freezes, it loses from evaporation. This sap must be supplied from the roots. For this reason trees that

#### A Study of the Cost of Milk.

A large milk producer in Ulster County, New York, writing on the subject of cheap milk production, says: "The poorest cow I ever owned gave

1,000 quarts a year, at a cost of over If all took the same side upon a ques- five cents a quart, while another cow discussion. I must differ from the essayist in one or two points. I believe less than three-fourths of a cent a quart. pure breeds are really crosses. The per day was 26 15-100 cents. Of this Plymouth Rock is simply a cross. the farm furnished 8 cents and 18 15sold for hatching, and some of the fowls pense the herd averaged fourteen quarts breed it until wholly satisfactory. There pounds wheat bean, six pounds of wheat s also much pleasure in keeping a lot bran, six pounds hominy, and three of fowls all alike or a lot of cattle all pounds of cotton seed meal. An effort alike. I believe in thoroughbred stock. was made to reduce the cost by a better may be true that a Houdan or other study of the feeding question, and the The possibilities of export were men-

Eggs are not imported to any very "In 1888 my cows averaged 1000 a reduction of exactly one-half."

Mr. Sampson-Boston market is be- This result was brought about by quirements. Flat turnips must be good ones in their place. To know the about the size of a half-dollar, but ruta bagas are wanted about fifteen to the barrel. Strawberries must be about cow was weighed and tested at regular

know so" put in his place.

## The Provence Rose for Hedges.

The railroad companies of Lower presenting its lady passengers with a bougnet culled from its own wayside

ing up medicine leads everything ever produced. It is positively the best. Others may make the same claim. But there's this difference: We prove it. Not by antiquity, but by Merit. Not by what but by we say, Hood's

parilla It has Sarsadoes. a record of THE ONE SHOULD SUPPLY GOOD STOCK, It positively, perfectly and permanently That the keen discrimination of the people recognizes its merit and nurseryman and the fruit grower were discussed by Prof. H. E. Van Deman at that they Sarsapathe meeting of the Conn. State Pomotion the meeting of the Conn. State Pomotion that they sarsapate the same and the fruit grower were that they sarsapathe fruit grower were discussed by Prof. H. E. Van Deman at the they sarsapathe fruit grower were discussed by Prof. H. E. Van Deman at the they sarsapathe fruit grower were discussed by Prof. H. E. Van Deman at the grower were discussed by Prof. H. E. Van Deman at the they sarsapathe fruit grower were discussed by Prof. H. E. Van Deman at the grower were discussed by Prof. H. E. Van De to the ex-

ments in its advertising and testimonials

the peculiar combination, proportion and process used in preparing Hood's Sarsapaitself. This is the secret of its wonderful power, of its wonderful sales, of its wonderful hold upon the confidence of the people. This is why it cures Scrofula, Salt Rheum, Catarrh, Rheumatism, all pepsia, That Tired Feeling, builds up the nerves, creates an appetite and strengthens the whole system. Its merit, its sales, its

Blood Purifier. Sold by all druggists. \$1. Prepared only by C. I. Hood & Co., Lowell, Mass. Hood's Pills the best family cathartic and liver stimulant. Easy to take, easy to operate. All druggists. 25 cents.

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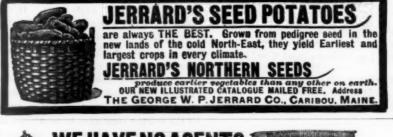
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CHERRY HILL FARM, 50 acres, keeping now 15 head and 3 horses. Fine apple orchard 100 trees (300 bbls); young peach orchard, 25 trees, all varieties fruit; 2 acres asparagus (first year's cur, '96, \$225.) 2½ story house, 8 rooms and L. plazzas two sides, beautiful, never-failing water, pleasant location, shaded by large horse chestnut, elim and butternut trees, sits up high and dry. Milk sold at door; wood for home use Carriage house, wagon shed, horse and cow barn 2 hen houses, 60 and 75 feet long. Cut in '98 30 tons fine English hay, ten tons second crop and 20 tons fodder. Annual income has been \$3000 as books will show. Ill health cause of sale; iminutes to school and P.O. '4 mile te station, its fo Boston. Good buildings and good neighbors clear title. Price \$5000, part cash.

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July 2 three v notes g mende North and Pe Summi Daisy. On sandy and sir several muriat bone, l

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> > crease

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A good opening for the right man who means business. For particulars apply to EDMUND HERSEY, CEDAR HEDGE FARM, Hingham, Mass

Poultry Farms For Sale and To Rent.

POULTRY FARM, 46 acres, 12 in tillage, balance pasture and wood. 125 fruit trees, variety small fruits. Nearly new house 8 rooms painted and blinded. Barn 30x40; 7 hen houses. Buildings on high, dry land; 1½ mile to P.O., stores, churches and station; near good markets. On best R.R. line out of Boston, 24 miles. Price \$2800, \$800 down; balance easy.

ACRES smooth, level land. ½ miles from station, stores, churches and public library Borders river; 700 feet frontage on main street 17 miles from Boston. No buildings; good for poultry or green house; price \$720.

MILES from BOSTON. 7 acres land; house 8 rooms nearly new. Best of spring water in house; barn 22x26; hennery for 75 or 100 hens; buildings first-class; land slopes east. 3 minutes to electrics. Price \$3500, \$500 down. Might rent to right parties.

NILES from Park sq. station, Boston; 8 room house, furnace; stable 15x30; 1 acre land; ½ mile to station, ½ mile to P. O. and school; price \$2600.

J. R. WATSON, Gen'l Pass. Agent. Boston, Mass

NIAGARA FALLS

BOSTON

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**BOSTON** 

MONTREAL.

OTTAWA.

QUEBEC.

Renew Pasture Lands,

many years. No one can afford to

Reseed to Crass,

#### Potato Experiments.

VARIETIES AND METHODS OF CULTURE AS TRIED AT VARIOUS STATIONS.

Potatoes have been so extremely cheap for the past two years that the margin of profit is slight, and every scrap of information toward lessening the cost of production must be eagerly grasped by the progressive grower.

Below are given summaries of many of the late researches of the experiment stations of various states.

TEST OF VARIETIES.

three weeks the plants were irrigated. The yields are tabulated, and descriptive notes given on a number of varieties. The following varieties are recommended: Early - Early Peachblow, North Pole, Clay Rose, Victor Rose, and Pearl of Savoy; medium to late-Summit, American Wonder, Irish Daisy, Park Region, O. K. Mammoth, On Top, Prize Taker, and others. FERTILIZER TEST AT THE SAME STATION.

On 17 eighth-acre plats on a light sandy loam on which rye, buckwheat, One bushel-thirty-five pounds - of and similar crops had been grown for silage is fed per day to each cow. The several years previous, were applied grain feed is nine pounds of gluten muriate and sulphate of potash, ground meal per day. This is eight quarts, bone, boneblack, nitrate of soda, wood four being fed in the morning and four ashes and stable manure, either alone quarts in the evening. Immediately or in various combinations. The Rural after milking in the morning the gluten New Yorker No. 2 variety of potatoes is fed. Then the silage is fed. At noon was planted at distances of three by five pounds of hay is given each cow. three feet. An unmanured strip of At 3 P. M. four pounds gluten is again three feet was left between each plat fed, and after milking, si.age. This is and the adjacent one. A diagram is the average ration, some cows getting given showing the arrangement of plats, more and some less. Careful judgment kinds and amounts of fertilizers applied, is needed in adjusting quantity of food and the yields per acre obtained. The to the needs of each animal. The feed largest yield was obtained where 24 per cow is now costing us ten and oneloads of stable manure per acre were half cents per day. Having run out of applied, a gain of nearly 70 bushels per gluten meal, we substituted an equal acre over an adjacent unmanured plat. amount of corn meal one week, and the The author states that the average gain yield of milk decreased 120 quarts per from the use of a full application of fer- day from the eighty-five cows. tilizers was 80 bushels per acre. There was a gain of about eight bushels per acre in favor of sulphate of potash over muriate of potash.

NORTHERN SEED.

Fourteen varieties of potatoes, of Maine-grown and home-grown seed, were tested at the Rhode Island station. during two years on a sandy loam soil, manured with commercial fertilizers applied on a clover sod. Ten pounds of seed of each variety was used, cut in one case to 150 pieces, in the other to time. two-eye sets, and planted 16 inches apart in the row. The vines were sprayed for potato blight. The yields are tabulated.

In their summary the authors say that of merchantable potatoes the northern-grown seed tubers produced a greater percentage in 11 out of 14 varieties, and a greater yield in ninc out of 14 varieties, the average increase being 17.04 bushels per cere; the home out of 14 varieties, the average increase vous cow is usually a good out of 14 varieties, the average increase tried many ways of breaking cows from grown tubers gave a greater yield in five out of 14 varieties, the average increase being 20.94 bushels per acre.

VARIETY TESTS.

farm, 23 varieties in Lyon County, and trouble. 16 varieties in McLeod County. Among lowing: At the station farm, Rural New Yorker No. 2, 388 bushels; Lee Favorites 349 bushels; Early Everitt, 343 bushels; Early Oxford, 328 bushels, and Irish The patent, I think, has expired. Cobbler, 325 bushels; in Lyon County, World's Fair, 551 bushels; American Wonder, 528 bushels; Irish Daisy, 510 bushels; Early Oxford, 470 bushels, and Pearl of Savoy, 467 bushels. In McLeod County the highest yield was given by Summit, 227 bushels.

At the Ohio Station, May 16, 17, and 19, 1895, on duplicate sixtieth-acre plats on a clay loam soil. 71 varieties of nota. toes were planted in two-eye pieces 16 inches apart in 33 1-2-inch rows. The yields are tabulated for 1894 and 1895. Sixteen varities are mentioned as above the average in yield, American Wonder, Columbus, Carman No. 1, Early Northern, Forest Rose, and Irish Daisy lead-

The work at the Maryland Station consisted of tests of varieties, experiments with fertilizers, green manuring, distance, methods of cultivation, amount of seed, and spraying. The yield where crimson c'over was plowed under showed an increase of 34.4 bushels per acre, or 50 per cent. With distances 30 by 14 inches there was an average gain for two years of 19 bushels per acre over 36 by 12 inches. Practically the same results were given by ridge and level culture and by deep and shallow cultivation. The yields showed a sociation, Paris, France, who has sucgain of 86 per cent where the plants were sprayed with Bordeaux mixture.

this season been sown with wheat than vantage of this discovery, it is claimed. has been known for many years past. This is the sequel to the recent high article at a lower price than the chocoprices obtained by farmers at the Lincolnshire grain markets.

Legislature, 100 are farmers. The law- gate the matter, in view of taking steps yers number only 28.

#### Feeding and Care of Milch Cows.

Pa., has a dairy of eighty-five cows, and supplies milk to the city of Erie. He has given his business close study, and some notes of his talk on the management of a dairy, made at an Allegheny institute, and reported by Alva Agee in the Stockman and Farmer, will interest some of our readers:

The cow is a machine for the conversion of food into milk. The first matter of importance is the housing. The stable need not be a costly one, but it Michigan station, two pounds of seed should be warm and well ventilated. We are after milk and want the largest July 2 and twice later at intervals of possible production during the time we keep her. The cows are kept in the stable all the time, winter and summer, When we exercise a cow it is at the expense of milk production. Last summer we had twenty-five cows extra, and they were put in good pasture each Early Walton. Freeman, Milwaukee, day from 8 A. M. till 3 P. M., while the eighty-five cows had only silage, with usual grain, in the stable. The twentyfive cows with pasture and grain did not do so well as the others. A change to continuous stabling increased the milk per head.

THE RATION FED.

WATERING THE COWS. This is an important consideration. When we began dairying twenty-eight years ago we thought we were fortunate in having a creek near the barn, but in cold weather many would not go to it.

Then we got water in the barnyard.

Some cold days the shrinkage in milk would still be heavy—100 quarts or more. Then we put watering bowls in the stable. Cows drink five times a cold weather the barnyard.

Would be very cheap, but I have some Feed at \$6 per ton that is as rich as hay. You must feed a little hay, but you will save money by feeding only a small quantity, and making up the required bulk, or number of pounds, with my Feed at \$6 PER TON. Cannot send a sample by mail, but will ship 300 hs. as a sample on receipt of one dollar. I will sell a car load of 17 tons for \$100, cash with order, and will pay the freight to most points in New England. Better be quick and buys a car of it. the stable. Cows drink five times a most points in and buy a car of day when water is before them all the

Green rve, or oats and peas, is too costly for summer feed in the dairy. Land will produce more feed in the form of corn. Silage is the thing for CANADIAN summer feeding.

KICKING COWS. to butchers whenever the milk product falls below the point of profit. In this

is often old."

or ripening as for grain crop."

chutes."

"Silage taints milk when fed in quan- er, of potato sprouts. tity before milking, but not when fed after milking." "Bran is needed in a dairy ration to

aid digestion of other food when dry feed is given; but when silage is used bran 19 not needed for this purpose and results in milk. Gluten meal is much better."

Mr. Russell's silo is octagonal in form, twenty-four feet in diameter and thirty-five feet high. I know of none larger. It holds sufficient silage for eighty-five cows for twelve months.

## A New Use for Honey.

A new use for honey has been discovered by a Mr. Poulet, of La Somme As- duce a crop of cherries. Good cultivaceeded in employing it in the manufacture of chocolate, obtaining a most savory article of this substance by the a much larger acreage of land has use of honey with the cocoa. The adlies in being able to produce a better late now manufactured. This discovery seems to have created quite a sensation in the above-mentioned association, and -Of 276 members of the Connecticut a committee was appointed to investito establish a chocolate factory.

## A SEPARATOR EXPERIENCE.

Mr. H. H. Russell, of Belle Valley, Can You not Profit by it?

Norwalk, Ohio, Jan. 2, 1897.

"The command on which hangs all the Law and the Prophets is." Do unto others as you would have them do unto you." Hence, in obedience to that command I wish to inform others that after three months' use of an Alpha 'Baby' De Laval Cream Separator we believe it to be a crowning success, and the goal of all butter-makers. A trial of the 'Baby' is all the evidence needed in the case We are now certain of nearly 7 lbs. of butter for each hundred pounds of milk, let the weather be hot or cold, dog-days or snowy holidays. With the use of the 'Baby' it is less labor to care for the milk of ten cows than that of one with the hand skim-milk pan system. We feel under many obligations to the De Laval agent for calling us out of the cornfield to sell us a 'Baby."

J. S. Tilton.

Send for "Baby" Catalogue, No. 246. THE DE LAVAL SEPARATOR CO., tandolph & Canal Sts. | 74 Cortlandt Street

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

"Bafer than Steam and less care."

FAIRBANKS • Gas & Gasolene MORSE - ENGINES

CHAS. J. JAGER CO. 174 High St., Boston, Mass. Cheaper than either Horse Power or Steam."

DEMING TRIPLEX POWER PUMPS For Mills and Factories.



Hardy Perennial Plants,

# SHADY HILL NURSERY CO.,

C. A. PARSONS, 154 Commercial St., Boston, Mass.

Kicking cows are usually good milk- BEST QUALITY-MOST for YOUR MONEY.

Poison in the Potato.

way we get some kickers. Have found specialist advisers have, says the New- They become of good outline, are a device that prevents kicking, does not burt or approx the cow while being castle Chronicle, made the startling disclothed with blossoms from bottom to made free to any farmer in America who Notes are given on 45 varieties of hurt or annoy the cow while being covery, or think they have, that the nupotatoes tested at the Minnesota statior milked, and is put on the cow with little tritions and indispensable potato may, with fruit in the same way, very differ-Mr. Russell showed a sample "anti-come a death-trap. They declare that seen.—Practical Farmer. the largest yields per acre are the fol-kicker," which is really only a wooden the "eyes" resulting from the spontasplint to hold the leg stiff. It is at- neous germination of the tuber contain tached with two iron clasps and a strap, poison, and that this poison gives rise and is an ingenious and simple device. to grave indisposition, which in at least The following points were brought chief dietary article of the French graphs contain the gist of one of his reout by queries addressed to Mr. Russell: trooper, the Minister has issued instruc- cent addresses before a western dairy "Stable floors should be made of ce- tions that the places in which the vege- meeting: ment. Use gravel instead of sand with table is stored shall be regularly visited The first factor in the problem of a cement. The Akron cement should be ard inspected, and that the "eyes" shall cheaper production of milk is the cowfresh. If gotten in the early spring it be removed from those potatoes which a dairy cow, a good cow. Take the first "Cut corn for silage about same stage the War Office authorities, the cases of business only with a true dairy-bred "Ventilate the stable by means of hay but often serious, are due to the consumption of sprouted potatoes, or rath- first step.

## How to Set a Cherry-Tree.

Professor Budd says that a cherry oring a wider space between the rows to of the cow. its use does not pay. It does not give admit the sun and allow free circulation of air. Orchards where the rows were all these points, the greater will be our twenty-four feet apart and the trees ten feet apart in the rows, have done better than those planted in the usual way.

The cherry for profit should receive more attention. Never set a cherry or chard in low, wet land, as the trees will not thrive. Cultivate the orchard until the middle of August. You must have tion is the next thing to plenty of rain.

"Yes, sing the song of the cherry-tree, with its leaves of velvet green; with its luscious fruit of ruddy hue, the fairest

# For Sale.

Brown Bessie's Son 3d, 46179. Dropped Jan. 24, 1895. Solid, dark color, shading to gray on back. By Brown Bessie's Son, 34550, out of Lacoma, 47469, test 14 fbs. 11% oz., a half sister of Brown Bessie's Son, being by Combination 3d, 17576, the sie of eight in the 14 fb. list, including Brown Elsie, 21 fbs. 12 oz., Teasel, 18 fbs. 3 oz., and Oneida 2d, 17 fbs.,14½ oz. Write for price. HOOD FARM, Lowell, Mass.

#### Pruning the Peach.

It is seldom one hears much about

years until what little food the ground produced on grass by a two-hundredcontained has been exhausted. Then pound cow to be eight cents a pound. vellow leaves appear and stunted The fall period he placed at ninety growth, just at a time when extra food days. For this period the cost per is required in anticipation of the calls pound of butter was found to be fifteen crops of fruit will make.

comes from starved trees. Peach trees is placed at 20 1-2 cents a pound. may be planted either in the spring or THE COST OF THE YEAR'S BUTTER. fall. One year old from the bud is the It was also found that the 200 pounds fore, to aim for low branched ones, and these can be had by heading the trees nearly 12 1-2 cents, while the cost of milk per 100 pounds was found to be back when planting them, leaving them 58 cents. when set to be about five feet high. Branches will push out for a foot or so below the top, leaving the tree branched from about four feet up. It is easier to gather fruit from such a low branched that a crop of melons weighing 39,766 tree, and less fruit is blown off in gales, the other system.

and the inside limbs bare of twigs of any kind. This need not be. If a little pruning be given every year there will result model trees, with twigs from top to bottom of the branches, which will bear fruit. What is required is to keep This can be done when the tree is sponds well to liberal fertilization of perhaps three or four where the

When shortened in winter the number 7% actual never require any heavy cutting of scars to be painted, and as the trees The French Minister of War and his grow they seem to increase in beauty. profitable culture. and in certain circumstances does, be- ent to the average peach tree generally

## Cheaper Production.

Ex-Gov. W. D. Hoard always speaks one case noticed in the army has ter- with force and originality in connection minated fatally. The potato being the with dairy topics. The following para-

have commenced to bud. According to step, and make a determined effort to do inexplicable poisoning, as a rule trifling cow. To this end the dairy farmer must become more of a breeder. This is the

The next is the right sort of dairy food, food that will bring dairy results; the next, understanding and skill in feeding the right food; next, the production of the right food (not some other chard does best when planted thickly in food) on our own farms, as far as possirows running north and south, and giv-The nearer we come to perfection in

profit. We must make milk for a less cost per one hundred pounds. There is no help for it. The inevitable growth of the business

must bring that result. We must produce butter and cheese for less money. We no longer control the output. Other countries are reaching for our a good wood growth if you wish to procreasing. Every line of human effort is in the same category.

We must make milk "by the acre," 'by the cow," and "by the hundred pounds."

It is stupid for us to persist in using double the number of acres and cows to produce what one-half of these forces might just as well produce. We must learn to make just as much profit with milk at sixty-five cents a hundred as we once did with milk at one dollar a hundred. We can do it if we will address ourselves to a reformation of our cows, and our ideas and methods.

#### Cost of Butter and Milk.

the pruning of the peach. It is usually a writer, "F. J. S.," in the Farmer's

grown in which they will not now suc- 20 to July 20. The total cost for feed,

A great deal of the difficulty experi- The cost of winter production for a enced in keeping peach trees healthy period of 120 days, with ensilage used,

proper kind to get. If the trees are of butter cost, to produce, \$30.62. pretty well branched, as they sometimes Hence the average cost for the year are even when so young, it is best to prune them in pretty close. For orchard purposes, high branched trees found to be \$25.37. Hence the cost of are not desirable. It is better, there, one pound of butter for food alone was

#### Needs of the Melon Crop,

Mr. G. F. Payne of Georgia calculates lbs. per acre, "which is an unusually besides that the ground is more shaded large one," would take from the soil from the sun and is cooler than under 81.09 lbs. of potash and 13.59 lbs. of phosphoric acid. This would be re-As the trees grow year by year they placed by 100 lbs. of acid phosphate, should get a little pruning annually. containing thirteen per cent of phospho-It is too much the fashion to let the ric acid and 160 lbs. of muriate of potbranches form and grow as they will, ash. One-half a carload of melons per resulting in trees with long branches, acre, or about one-third of the above the fruiting twigs on the extremities, crop, is said to be a fair crop on good land.

up a little shortening in every year. is a vigorous feeder and regrowing as well or better than at any tion. On corn lands the yield other. The end nipped off from a increases and the soil improves growing shoot will result in the forma- if properly treated with fertilizers containing not under

# Potash.

A trial of this plan costs but branches, consequently there are no little and is sure to lead to All about Potash-the results of its use by actual ex-

GERMAN KALI WORKS, 93 Nassau St., New York.







# CATCHES ROADMASTERS

A very close calculation was made by

are localities where peaches were once ter season he puts at two months, May ceed; but if there are those who cannot labor, milking, caring for milk, churnmake them grow in such places it is ing and marketing he puts at \$5.80 per more probable that it is because of ex- cow for sixty days. He then charges hausted soil than from any other cause. up to this "grass butter" the proportion It is too often the sight now to see of cost of keeping the cow three months peaches set out in newly cleared land, in idleness, which is \$1.33, making a with no manure at all given them. The total of \$7.13, which brings the cost of trees grow well enough for two or three the ninety pounds of butter which was

# Jorn

# Lake Champlain Route







Roadmaster, who wanted him to "see those farmers, who would hug and kiss you, and I've got to have 25 miles on my division."

PAGE WOVEN WIRE FENCE CO., Adrian, Mich.

HOTELS.

# THE

Hanover St., Near Adams Sq., BOSTON. The Nearest LARGE HOTEL to the

Northern and Eastern Stations. C. A. JONES, Proprietor.

CORNER BLACKSTONE & CLINTON &TS BOSTON.

C W PARKER & CO. Proprietors TERMS: \$2 & \$2 50 PER DAY

Commonwealth of Massachusetts.

MIDDLESEX, SS.
PROBATE COURT.
To the heirs-at-law, next of kin and all other per sons interested in the estate of ELIZA WHIT NEY, late of Wayland, in said County, de W HEREAS, a certain instrument purporting to be the last will and testament of said deceased has been presented to said court, for probate, by Louis H. Whitney, who prays that letters testamentary may be issued to him, the executor

bate, by Louis H. Whitney, who prays that letters testamentary may be issued to him, the executor therein named, without giving a surety on his official bond.

You are hereby cited to appear at a Probate Court, to be held at Cambridge, in said County of Mi idlesex. on the second day of March, A.D. 1897, at nine o'clock in the forenoon, to show cause, if any you have, why the same should not be granted. cause, if any you have, why the same should not be granted.

And said petitioner is hereby directed to give public notice thereof by publishing this citation once in each week, for three successive weeks, in the MASSACHUSETTS PLOUGHMAN, a newspaper published in Joston the last publication to be one day, at least, before said Court, and by mailing, post-paid, or delivering a copy of this citation to all known persons interested in the estate seven days at least before said Court.

Witness, CHARLES J, MCINTIRE, Esquire, Judge of said Court, this sixth day of February, in the year one thousand eight hundred and nine-ty-seven.

S. H. FOLSOM, Register.

Commonwealth of Massachusetts.

MIDDLESEX, 88.
PROBATE COURT.
To the heirs-at-law, next of kin and all other persons interested in the estate of MATTHEW BROOKS, late of Cambridge, in said County, de-

ceased.

WHEREAS, a certain in trument, purporting to be the last will and testament of said deceased, has been presented to said court, for probate, by Matilda M. Brooks, sometimes called Margaret M. Brooks, who prays that letters testamentary may be issued to her, the executrix therein named, without giving a surety on her official bond.

ficial bond.
You are hereby cited to appear at a Probate
Court to be held at Cambridge, in said County of
Middlesex, on the second day of March, A.D. 1897,
at nine o'clock in the forenoon, to show cause, if
any you have, why the same shouldnot be granted.
And said petitioner is hereby directed to give
public notice thereof, by publishing this citation
once in each week, for three successive weeks, in
the MARSACHISETTS PLOUGHMAN. 3, newspaner once in each week, for three successive weeks, in the MASSACHUSETTS PLOUGHMAN, a newspaper published in Boston, the last publication to be one day, at least, "store said Court, and by mailing, post-paid, or delivering a copy of this citation to all known persons interested in the estate, seven days, at least, before said Court.

Witness, CHARLES J. McINTIRE, Esquire Judge of said Court, this eighth day of February in the year one thousand eight hundred and nine-ty seven.

8. H. Folsom, Register. NICELY ADAPTED for poultry raising, 18 miles from Boston, 6 from Lowell; 12 acres land, 4 in wood balance mowing and tillage Brook on farm; 2 cottages, one of 9 rooms the other 5 rooms. Good neighborhood, near school, 1½ miles to station. Price for all \$1500, or will sell 11 acres and smaller cottage for \$800. Ray terms. No barn; a good place for poultry and small fruits.

Commonwealth of Massachusetts.

MIDDLESEX, 88.
PROBATE COURT. PROBATE COURT.

To the heirs-at-law, next of kin, and all other persons interested in the estate of BENJAMIN JUDKINS, late of Houghton, in the County of Houghton, and State of Michigan, deceased.

WHERAS, a petition has been presented to said Court, by Brainerd T. Judkins, with certain papers purporting to be copies of the last will and testament of said deceased, and of the probate thereof in said State of Michigan, duly authenticated, representing that at the time of his death, said deceased had estate in said County of Middlesex, on which said will may operate, and praying that the copy of said will may operate, and praying that the copy of said will may be filed and recorded in the Registry of Probate of said County of Middlesex, at d etters testamentary thereon granted to him, without requiring sureties on his bond.

You are hereby cited to appear at a Probate Court, to be held at Lowell, in said County of Middlesex, on the suxteenth day of March, A.D., 1897, at nine o'clock in the forencon, to show cause, if any you have, why the same should not be granted.

And said petitioner is hereby directed to give

cause, if any you have, why the same should not be granted.

And said petitioner is hereby directed to give public notice thereof, by publishing this citation once in each week, for three successive weeks, in the MASSACHUSETTS PLOUGHMAN, a newspaper published in Boston, the first publication to be thirty days, at least, before said Court.

Witness, CHARLES J. McINTIRE, Esquire, Judge of said Court, this ninth day of February, in the year one thousand, eight hundred and nine-ty-seven.

S. H. Folsom, Register.

school; price \$2600.

POULTRYMEN, no waiting to build up a business. We offer you one all established and paying handsomely, as we can prove. Owner's business such as to require sale. 9 newly built hen houses, thoroughly dry and vermin proof, perfect drainage and exposure. Brooder house 16x108, hot water heat; cook house 12x20, 2 set boilers. Coment cellar for incubators. Large stock barn with extra fine cellar; 2 carriage houses, 25 ton ice house, 60 fine bearing apple trees; house 14 rooms; buildings all first-class. Beautiful location, ten minutes to steam and electrics. 35 acres of the very best land, Near Boston and other good markets. J. A. WILLEY, 178 Devonshire St., Room 502, Boston, Mass.

BOSTON, FEBRUARY 27, 1897.

Persons desiring a change in the address of their paper must state where the paper has been sent as well as the new direction.

#### PLOUGHMAN FARMERS' MEETING. Saturday, March 6--- 10 A.M.

E 3SAY by N. B. DOUGLASS, of Sherborn, Mass. Subject: "Dairying."

The next Mass. PLOUGHMAN Farmers' Meeting will be held in Wesleyan Hall, 36 Bromfield St., Boston, Saturday, March 6, at 10 o'clock A.M.

Dairving has become the leading branch of farm industry in this section of the country, and the annual product of milk, butter and cheese has reached an enormous value in the aggregate. There are comparatively few farms where cattle are not kept for dairy purposes. Mr. DOUGLASS is a thinking dairyman, whose long training has qualified him to instruct. He is a lecturer of experience, and has repeatedly won prizes for his cattle and dairy products. In grange circles Mr. Douglass has occupied a prominent position. Those who read our recent description of his Jersey cream and butter farm will be glad of a chance to listen to his ideas on the dairy business. It is true that the majority of dairy farms are located at quite a distance from Boston, but visitors to these meetings frequently come from a distance of fifty to one hundred miles, and even from beyond the state line, and declare themselves repaid for their trouble. As usual, everybody is cordially welcome.

PERSIMMONS are usually considered a southern fruit, but there is good reason to hope that the recently introduced northern Japanese varieties will prove hardy anywhere.

THE reformers, so called, have been urging their annual arguments before various state legislatures in favor of single tax on land. As the plan, according to claim of its supporters, would eventually port among the farmers. The inheritance

has given us the latest and most authori- ditions. of definite, careful experiments in poultry keeping-experiments which have made attract the attention of the civilized world. the Rhode Island Station the poultry in- The naval forces of the Powers, acting provides that all oleomargarine sold in the structor of the whole country. The essay professedly in the interest of peace, have is valuable also for what it suggests in endeavored coerce both Cretans and tional. the way of new and common-sense views Turks and have also tried to prevent

tion rules is rendered more complicated Greece. The latter nation remains defiant in Massachusetts by the different laws on and insists upon the privilege of affording tuberculosis in the other New England direct aid to the insurgerts. A serious States. Maine, New Hampshire, Ver- war is regarded as a possible outcome of mont and Rhode Island pay only one-half the situation. Popular sympathy in Euthe value of condemned cattle, while rope and America is with the insurgents Connecticut's new regime provides for and with the Greeks. Crete was formerly 25,000 cows, whose annual product is \$10,- ance. He. too, believed that the restricno payment at all. Hence the temptation a part of Greece. exists for dishonest dealers to secure by hook or crook the exportation of their diseased cattle into this State, where, after agreed that the improvement in business remaining six months, they become eligible for a full payment claim. Rumors such a condition is the heavy selling and abroad of various sharp practices tending the list of advancing prices. This list into evasion of the tuberculosis law in this cludes wool, raw sugar, pork and other connection, and the cattle import business will evidently bear watching.

that within a few years the farmers of the various kinds are higher. All these signs country will be receiving from fifteen to can hardly be mistaken, and nothing but twenty dollars per acre for their cornstalks. Mills will be established in the South and other parts of the country, he says, and pretty nearly the whole crop of cornstalks—at any rate that part of the hand if the advocates of a new bill "to work in connection with the importation crop which is grown on farms contiguous permit the running of motor carriages on of cattle from other states. to railway lines-will be used in the mills streets and highways of the Common-The market for the manufactured products wealth," are to be credited. The points its plan of operations for the present year. over the sale, at the cattle markets, of feel we only partially know one side of the management of incubators and the is already made, as the products will be urged in favor of the measure were that staple articles in constant demand. Of the motor vehicles are certain to come into the products that may be evolved from general use in this country before long, have issued a new catalogue of their well the matured cornstalks-the stalk which and that as they can be run more cheaply known Plant Jr. specialties, the most inhas borne its grain-Mr. Prater enumer- than horses, their introduction should be teresting being, perhaps, the No. 3 and ates cellulose, celluloid, smokeless gun- furthered by the protection of persons No. 4 hill and row Garden Seed Drills, powder, lacquer, cattle feed, roofing ma- operating them from damages or compli- Fertilizer and Pea Drill, special Horse terial, and a material that will answer cations resulting from the frightening of Hoe for beet cultivation, and two new every purpose of papier mache. Green horses. One of the largest merchandise Combined Two-Horse Cultivators. stalks, he says, are rich in glucose, and farms in Boston asserts that the concern will yield "a better quality and a finer will adopt the motor carriage for deliver- the concession made to Alfred Sears for sugar with less expense than can be made ing its goods as soon as it can be demonthe irrigation of the Pulra valley, and a from the cane of Louisiana."

## HOW'S THIS!

F. J. CHENEY & CO., Toledo, O.

ally sble to carry out any obligations made ir firm. WEST & TRUAX, Wholesale Druggists, Toledo, O. by their firm.

Wholesale Druggists, Toledo, O.

Walding Kinnan & Marvin,

Wholesale Druggists, Toledo, O.

Hall's Catarrh Cure is taken internally, acting
directly upon the blood and mucous surfaces of
the system. Testimonials sent free. Price 75c.
per bottle. Sold by all Druggists.



Dr. Greene's Nervura blood and nerve remedy is indeed " The World's Great Spring Medicine." It has come to be recognized as the best possible spring medicine to take, and the people everywhere use it during the trying spring months to tone up anew the relaxed nerves and reinvigorate and enrich the blood. A spring medicine is a necessity if one wishes to keep in perfect health and vigor during the changes from winter to summer. This perfect spring medicine, Dr. Greene's Nervura blood and nerve remedy, is

exactly what the system needs at this season. It not only purifies, but makes rich, red blood; it not only strengthens and invigorates the nervous system, but re-energizes and revitalizes the nerves by feeding them with renewed nerve force and power; it is not only an aid to digestion, but it creates a regular, natural, and healthful action of the bowels, liver, and kidneys, which in the spring are always sluggish and inactive. By all means use Dr. Greene's Nervura blood and nerve remedy this spring.

#### TOPICS OF THE WEEK, animals on the part of the stockyards

tion has modified somewhat during recent the drivers be t them unmercifully. The gle tax theory will not rapidly gain supdisease might readily be transmitted from to be obliged to tolerate the cattle yards Thursday was comparatively a very mild port among the farmers. The innermance parent to child by heredity, but little emphasis was placed upon danger of infec- less suffering of the dumb animals at tile forces, there was a general agreement tion from a patient to well persons. At a every turn, and several of them have de- of opinion, and the arguments were all on DURING a lecture on milk, recently de- State House hearing last week, Dr. Ernst, termined to make an example of the next one side. The proposition is to continue livered in Boston, the speaker recom- bacteriologist of Harvard College, testi- case of cruelty that comes beneath their indefinitely the present restriction upon mended that milk, before using should fled in regard to consumption that it is an notice. The stock yards have never been the use of tuberculin. No opposition was be heated to 176 degrees Fahrenheit, and infectious and not a contagious disease. popular in their immediate neighborhood, manifest. that to the milk be then added a small The germ of infection Dr. Ernst stated to and the present complaint may be only quantity of lactic acid bacteria. He said be in the sputum, and these germs are another means of showing the long- test will be confined to animals coming that the introduction of the lactic acid thrown off by consumptives in large standing hostility to the corporation. bacteria insures the destruction of the amounts and conveyed in various ways to dangerous germs, both from within the others. He said that there is a common cow and from outside. This plan is the though wrong impression that consumpresult of investigation made by the lec- tion is inherited, and this was declared turer in the Hygienic Institute at Berlin. | not to be the case, the disease being transmitted by infection. Pulmonary tuber-THE poultry essay of this week is one culosis has been a special study with Dr. of those productions which cannot be dis- Ernst, and he declares it to be one of the posed of by a hasty reading. It must be most wide-spread of all diseases. It is studied and thought over, and then filed more common among people living in away for reference. Professor Cushman crowded sections than under other con-

The little island of Crete continues to Interference from the Greeks. It is alleged that the island will be granted self tricts. THE enforcement of the cattle inspec- government, with the protection of

Trade authorities seem pretty well hog products, Indian corn, some classes of dry goods and some branches of leather products. The demand for iron and steel MR. PRATER of St. Louis, who has been great. Exports continue to exstudied the cornstalk scientifically, thinks ceed imports, and investment stocks of more blunders at Washington can stand in the way of better times.

The horseless carriage period is close at strated that they are a financial improve-fine of 3000 sols has been imposed on one ment. The firm hoped for some protection against loss from the frightening of We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and the last 15 years, and believe him perfectly honorable in all business transactions and would not be long before there would be would not be long before there would be would not be long before there would be introduction of the motor carriages, it PRESIDENT CLEVELAND this week signed

> Citizens of Watertown propose to take | -Lives were lost and much property active measures to stop alleged cruelty to destroyed by the floods in Kentucky.

employees. It is said that often while Medical opinion in regard to consump- driving the cattle from one pen to another HARMONY PREVAILS AND THERE IS NO

#### Items of Farm News. Considerable corn is reported to be in ransit to market, to be sold for the bene-

According to the Nebraska crop report of last week, the acreage of wheat will be 25 per cent greater than last year.

fit of famine sufferers in India.

The Illinois Cattle Breeders' Associa-

The Supreme Court of West Virginia policy has recently decided that the law which

New Hampshire is planning for state

parge increase of production, the farmers Dr. Austin Peters. chairman of the practical, and the exhibits of dressed poulturning to the dairy when western comboard of cattle commissioners, agreed try, eggs, etc., which have lately become
within fifteen feet of the bottom, the reslocal dairy when western comboard of cattle commissioners, agreed try, eggs, etc., which have lately become petition made other farming unprofitable. with Mr. Harrington. He thought that a feature of the best shows, are chiefly the Upon the 23,000 farms in Vermont are the farmers had had good cause for griev-

## Getting Ready.

FOR FUNDS AND WILL SOON MAP ITS

was gone, and according to the terms of the existing law, all cattle then in quarble existing law, all cattle then in quarble existing law. The existing law are represented by the existing law and the existing law are represented by the existing law. The existing law are represented by the existing law are represented by the existing law. The existing law are represented by the existing law are represented by the existing law. The existing law are represented by the existing law are represented by the existing law. The existing law are represented by the existing law are represented by the existing law. The existing law are represented by the existing law are represented by the existing law. The existing law are represented by the existing law are represented by the existing law. The existing law are represented by the existing law are represented by the existing law. The existing law are represented by the existing antine were at once released, thus putting be had.

S. L. ALLEN & Co., of Philadelphia.

THE Peruvian Government has revoked

horses, so that they may take the earliest THE State Grange Fair will begin Au- see the results of an effectual remedy, we ase of catarrh that cannot be cured by possible time for putting their plan into gust 31, at Worcester. The Fair will be would refer them to an advertisement in aneffect. Another witness said that if the held in conjunction with the Worcester other column of the Electro-Magnetic Ring,

> would not be long before there would be thirteen proclamations establishing thirpower stations scattered through the city teen additional forest reservations, con- good points than almost any breed. The pair for recharging the motors of carriages taining an aggregate area of 21,379,840 acres.

#### To Restrict Tuberculin. OPPOSITION IN SIGHT.

The hearing on tuberculosis last week

from outside of the state to the different cattle markets at Brighton, Watertown

and Somerville, and to those animals whose owners are willing to have them tested. This does not, however, affect animals condemned by local inspectors and by the agents of the cattle

Protective Association. Mr. Harrington poultry department of the experiment of Providence; for general treasurer, B. E. President of the Swiss Confederation to tion will hold its annual meeting at the contended that the original policy for the station was organized, Mr. Cushman was Helme of South Kingston. State House, Thursday, February 25, at general and compulsory use of tubercu- given charge. lin was no longer regarded as sound The farmers of the state, he said, are

willing to co-operate with the present early bulle ins which attracted much out at Montague, Maine, on Saturday of similar to that of the rabbits in Australia state must be colored pink is constituease. Although he admitted that tuber. the black head disease of turkeys, those the black head disease of turkeys, those to black head disease of turkeys, those turkeys are the black head disease of turkeys a culin was the best known diagnostic for detecting the disease, he said it is not sufroads and state aid for roads in rural disuse. While many cattle owners were will-Vermont dairy products have been ing to have the test employed, there were steadily improving, and now command many who did not wish to be forced to its

tinued indefinitely.

favor of continued restriction. He said on poultry and bee subjects. that in his district the sentiment was generally in favor of the tuberculin test The bill appropriating \$250,000 for the and the opposition had largely subsided. xpenses of the Mass. Cattle Commission Yet there were some who, while they ED. Mass. PLOUGHMAN was signed by Governor Wolcott Feb. 18. could be persuaded to accept the test, We wish to thank you for your flattering much money made by this process to claim at The money was much needed, as the funds of the Commission had been exhausted by the first of this month.

Inspection was stopped when the money

The money was much needed, as the funds of the forced to use it. little notice of our new office, etc., in your tors are anything but successful and profitable and deserve your kindly expressed appretations by receiving the superb 168-page inspectors, by urging the selectmen to ciation of our book.

Little notice of our new office, etc., in your tors are anything but successful and profitable when correctly managed. We are led to these reflections by receiving the superb 168-page inspectors, by urging the selectmen to ciation of our book. The money was much needed, as the funds were unwilling to be forced to use it. little notice of our new office, etc., in your this late day that the most improved incuba. adding to the uses which those lines

nothing has been done except the regular boro, and representing a number of farm- us is highly appreciated. ers, also approved the measure, but wished Our pamphlets are always on hand for The Commission will soon decide upon and spoke of a need of better safeguards open to those interested in our line. We cattle supposed to have been properly the question and like to have our custested before brought into the State.

> Dr. Peters streed here that the test as ing it to be to mutual advantage. applied in other States would be under close scrutiny and that certificates would not be accepted from veterinarians found to be careless or incompetent.

G. M. Baker of Lincoln also appeared pleasure at the harmonious feeling now pealing the peach yellows law. prevailing. Nobody being on hand to oppose the measure, the hearing was declared closed.

To those afflicted with that troublesome complaint, Rheumatism, and who really desire to sold by the Mystic Watch Co., 353 Washington street-for only One Dollar.

White Wyandottes combine more practica shown on the first page was bred by the Reliable shown on the first page was bred by the Reliable Incubator and Breeder Co. of Quiney, Iil. This breed was well represented at the Boston poultry show and bids fair to become very popparative popparative properties. In the state of the properties of the properties

#### Against Oleo.

A special meeting of the butter and cheese dealers was held on Tnesday fore- against his brother, who is old and poor. noon in the committee room of the Chamber of Commerce, Boston, to take action birthday reception was visited by 2034 on bills now before the Legislature relat. people. ing to oleomargarine, Mr. Howard P. Harris, of the firm of Simpson, McIntire & O., has accused himself of the murder of Co., in the chair. Copies of two bills now before the Senate in relation "to the manufacture and sale of oleomargarine" were read and the copy of one before the House, "For the better enforcement of the Island, near Niagara Falls, N. Y. law relating to the sale of oleomargarine made in the imitation of butter."

After some discussion, Mr. Charles H. Utley, ex-Representative of Brookline, -A quiet celebration of the fiftieth offered the following resolution, which anniversary of the incorporation of the was passed unanimously: "That we emphatically protest against

the passage of the Senate bills, believing if passed that they would admit of began, and continued through the week. an almost unrestricted sale of oleomar. garine in the State, which would be of great detriment to the butter trade and the dairy interests. Also, that we are in favor of any measure that will assist in prison. the better enforcement of the present law and we believe that the House bill No. 462 will accomplish this result."

#### Samuel Cushman.

and favorably known of all scientific ton, in accordance with a statute passed experimenters in his specialties of poul- in 1891 try and bees.

mencing in schoolboy days to breed and Canton, Ga. show fancy fowls. His strains of White known for large size and freedom from that state to request Congress to place squirrel tails. Later he became interested Brigham Young's statue in the Capitol at in bees and kept 100 colonies, doing also Washington, D.C. some editorial work upon various papers in connection with his specialties.



SAMUEL CUSHMAN.

The forces in favor of the bill were led Island Agricultural Association, publish-

ments with capons, experiments in crossing wild turkeys on domestic stock, were cave-in of a well which he was cleaning rent at Montague Walne or Saturday of French colony of New Caledonia a pest favorable notice. The investigation of last week, was one of the most remarkable and the mongoose in Jamaica. The deer with crossing various breeds of poultry in his tomb from eight o'clock Saturday now invade the plantations, causing great for table use, and his goose experiments morning until two o'clock Sunday morn-loss to the farmers. discussed by farm papers everywhere.

Cushman has tried to make them more cue hazardous, and the excavation was voure1, according to the official returns,

tion of the tuberculin test should be congrounds of economy, Mr. Cushman has Dr. L. F. Herrick, of Milbury, 2lso a devoted himself to investigations in his member of the commission, spoke in specialties and to writing and lecturing ing proportions. This is true in the use of in tones the stomach, builds up the nerves.

## Highly Appreciated.

of New England, whose patronage we of the very best materials. Too much cannot be said in favor of the Reliable regulator. The a stop to further expense. Since then F. H. Atwood, local inspector of North- both solicit, a notice of the kind you gave

the voluntary request plan to be resumed, distribution and our office door always tomers call and tell us their side, know-Yours respectfully,

LOWELL FERTILIZER CO., 44 No. Market St., Boston, Feb. 24.

THE Connecticut Legislature has been n favor of the measure, and expressed holding hearings on proposed bills re-

## asy to Take ■asy to Operate

Read and Kun.

-Russell Sage has filed a \$50 mortgage -Governor Wolcott's first Washington's

-Farmer Michael Heil, of Columbus Andrew Manley, colored.

-The Pan-American Exhibition arranged for 1899 will be held on Cayuga

-It has been proposed in the Kansas Senate to establish State liquor dispeasaries, after the South Carolina pattern.

towa of Lawrence will be held April 26. -Monday morning the annual spring opening in the Amesbury carriage trade

-The administration has ordered a strict inquiry into the death of Dr. Ricardo Ruiz, a naturalized American. in a Cuban -Besides \$228 sewed in a mattress,

for \$12,500 in the poverty-stricken tenement of Edward J. Smith in Brooklyn, N.Y. -A movement is said to be under way The author of the essay published this towards making a public reservation of week, is doubtless the most prominent Mount Wachusett in the town of Prince-

policemen found five bank books good

-Corporal Tanner, former Pension Samuel Cushman is by nature well Commissioner, is interested in a colonizaadapted to the work and early developed tion scheme of Northern settlers, and a an aptitude for poultry keeping, com- site of 11,000 acres has been secured near

-Senator Cannon and Governor Wells. Leghorns were prize winners, and well- of Utah, are urging the Legislature of

> -Possibly the last of the "unrecon structed rebels" was pardoned recently in the person of Colonel D. E. Simms, of Kentucky, the Senate passing a bill to remove his political disabilities.

Why rub, and toil, and wear out yourself and your clothes on washday, when ever since 1865 Dobbins' Electric Soap has been offered on purpose to lighten your labor and save your clothes. Now try it. Your grocer has it.

-Monday, in the Chapin-Mead murder and suicide mystery at Falls Village, Conn., an investigation was made of rumors to the effect that Walter Chapin, husband of the dead woman, had killed both his wife and young Mead.

-Messrs. Howland, Sparrow and Barney, the deposed New Bedford license commissioners, who are to make a contest over the finding of Mayor Ashley, after a conference with several judges of the Superior Court in this state, will place their case, as provided by the acts of 1896. with Judge Bralev of Fall River. -The Prohibitionists held their state

convention in Providence, Monday, and the Congo State. nominated the following ticket for the state election, which occurs in April: For has arrived at San Francisco, Cal., will governor, Thomas H. Peabody of West-make a special study of American rail-In '89 he became apiarian of the Rhode Jenks of Barrington; for secretary of erly; for lieutenant-governor, Fred T. ways and transportation. The forces in favor of the bill were led by J. L. Harrington of the Cattle Owners ing bulletins of his work. When the for attorney-general, James A. Williams

-The rescue of John Gamble, who was the top of the well which was frozen and In connection with poultry shows, Mr. did not fall made the undertaking of reshear a cry from the man below, and from period attacked sixty-eight persons, de-Since the poultry department of the that time until 2.15 A.M. heroic efforts

## THE RELIABLE HEN

cubators, as well as in the manufacture of those machines. The latter business could not have for the success of the machines in actual practice all over the country. There has been too much success in the use of incubators and too regulator is as near perfect as is possible to attain. One of the strong points of this machine is that they are thorougly tested in constant practice on the large poultry farms conducted by this concern. The methods followed at these and other successful poultry establishments, together with full directions concerning the management of incubators and the results. business in general, are given in this eleventh annual catalogue, which can be obtained by anyone who will send ten cents to the Reliable Incubator & Brooder Co., Quincy, Ill., but if in writing you state that you are a subscriber to Mass. Ploughman, you can get it free, and in that case need not enclose the dime. Mr. A. W. Sawyer, manager of the Audito

Mr. A. W. Sawyer, manager of the Audito rium hotel, Chicago, has purchased of Hood Farm, Lowell, Mass., the bull calf by Brown Bessie's son out of Calcium, recently advertised in this paper. The calf has been shipped to PM. Alden of Sevmour, Iil., a partner of Mr. Sawyer in the breeding of Jersey cattle. These Sawyer in the breeding of Jersey cattle. Sawyer in the breeding of Jersey cattle. These gentlemen showed excellent judgment in their selection, and they will have a bull at the head of their herd deep in the blood of Brown Bessie and Merry Maiden. His dam, Calcium has a test of 16 lbs. 15 oz. She is the dam of one in the 14 lb. list and is by Upright, the sire of 12 in the list, including Costa Rica, 21 lbs. 6 1-2 oz., in 7 days, and 91 lbs. 5 1-4 oz. in 31 days, dam of Merry Maiden, champion sweepstakes cow in the World's Fair dairy tests, and of Chirp, 19 lb. 8 oz. Calcium's dam is Camille 79614s. A daughter of Combination 4989. She has a test of 17 lbs. 7 oz. and four of her daughters are in the 14 lb. list. The bull purchased by Mr. Sawyer is as good in individuality as he is in breeding. The blood of the great Brown Bessie united with that of Merry Maiden has proved a most successful nick in the production of great results in breeding lines.

AMES—At Woburn, Feb. 17, Jacob Ames, 73 yrs.

ANDREWS—At Boston, Feb. 16, Alonzo Andron, 10 and 1 selection, and they will have a bull at the head

## Bowker's **Fertilizers**

Have stood practical farm tests for twenty-five years. Their sale has increased in that time from nothing to over 30,000 tons a year.

## BOWKER FERTILIZER COMPANY

possesses ample capital and experience to produce fertilizers of unsurpassed cropproducing value economically, and hence at low prices to the consumer.

BOWKER FERTILIZER 43 Chatham Street, Boston. 27 Beaver Street, New York.

See local agents, or address





'ACME'' SEED DRILL



#### THE WORLD OVER.

-It is reported that a rebellion has broken out in the equatorial district of

-K. Inouzuka, a Japanese lawyer, who

-France and Brazil have signed a protocol referring their dispute regarding be the referee.

-In the Government of Saratoff, during vouring two on the spot and inflicting fatal wounds on twelve others.

Experience proves the merit of Hood's Sar The incubator business is taking on astound- saparilla. It cures all forms of blood diseases,

TWENTY experiments at the Wisconattained its present dimensions had it not been sin station indicate that shallow culti-

> -A new electric road in Maine is ner and it handles noiselessly.

> > BOOKS FOR FARM AND GARDEN. Ross Bros., the Worcester seed firm, send out a catalogue handsomer than ever, and very jarge and complete. They guarantee all seeds

> > The catalogue of A. W. Livingston's Sons Columbus, Ohio, is called the Annual of True-Blue Seeds. Tomatoes occupy a prominent place, this firm being introducers of many well-

BOSTON LI Cattle 1-4c Lowe changed-Calvin Fair Demai

MA

Week e

Cattle.

Fitchburg 3905

Lowell... 186

B. & A.... 312 Values or Beef .- Per hu nide, tallow an quality, \$5 00@,

Working Oxen. @100, or much acco Cows and Your 38; extra, \$40@48 farrow and dry, \$1 Stores.—Things, \$8@16; o ds, \$20@32 Sheep.—Per po tra, 2% @3½c; 8. \$2@4 50; lambs, Fat Hogs.-Per Veal Calves .- 3 Calf Skins. -70

ARRIVALS AT supply of fivest week, and as the during the week, off in values, De cline of ½c on l veal calves. The dition this mornin held at steady pr west. Our pork

Tallow.—Brighte

At Brighton

Vermont.
At Watertow
Carr &
Williamson 12
A Pond . 26
G H Sprigg
& Co . 14
H N Jenne . 3
Britton &
Savage . . . . 26

Hogs. ( P A Berry .... Libby Bros .... W W Hall ....

New Hampsh At Brighton R W Foss & Son.... Shaw & Cotton.... At Watertow

A F Jones & others ... 20 C Wikins ... 21 C Wikins ... T J Courser H A Wilcox ... C A Eas mau ... Breck & Wood ... ... W F Wallace F The latest advice provement in de American cattle, are higher. At I 11½ a 11½ c : at sinking the offat salled within the cattle, 1067 sheep

cattle, 1067 sheel
Shipments and
more for Liverpool, 43
do by E Morris,
steamer British E
E Morris, 122 do steamer Cotoman
G Elliott, 55 Cana
steamer Corinthia
A Hathaway, and
150 Canada sheet
er Cambroman for The market in week; not a lar, were generally d Snow's Combinal up, but mostly in

common to g nice acting hor way's sale stated 50 head on W fresh horses, stable 4 loads improvement in At a W Davis' fair business at fine drivers, pac and prices from sale stable mode March. Sales in

prices, but bee ing slow in Bos quick to buy ca

J A Hathaway

and often seem to

e greater than she

isable to bear. This

sickness comes to her and leaves in its wake that condition of lassi-

tude which bespeaks a

broken down condition The most fruitful causes of these conditions are FEMALECOMPAINTS. BRIGHT'S DISEASE, URINARY TROUBLES,

GENERAL DEBILITY.

A sure and effectual remedy for these and all diseases result-ing from disordered Kidneys and

Saft Cire

sands and will cure you.

It is a purely vegetable prep-ration that has cured thou-

Large sized bottles or new style maller ones at your nearest store.

\*\*\*\*\*\*\*\*

AND MALARIA.

#### MARKETS.

BOSTON LIVE STOCK MARKET Cattle 1-4c Lower-Sheep Steady-Hogs Unchanged—Calves 1-4@1-2c Lower—Horses in Fair Demand—Milch Cow Market Only

Week ending Feb. 24, 1897.

Am	ount of	Stock	at Ma	rket.	
	Cattle.	Sheep.	Shotes	. Hogs.	Veals
This week.	4.764	9,990	117	28.033	988
Last week,	3,558	8,651	113	23,588	1088
One year ago.	5,856	15,141		21,808	971
E	orses		4	104	

CATTLE	AND	SH	KEP FI	MOI	SEVERA	L ST	ATES.
Maine N. Hamps		252			V York	51	Sheep
Vermont. Massachu		120	408	Wes	stern. :	3865	8915 150
1	Total					1764	9990

Cattle, Sheep. Cattle.

Fitchburg 3905 1907 Eastern... 291

Lowell... 186 579 B. & M.....

B. & A.... 312 463 Foot & boats, 70

Total.... Values on Northern Cattle, etc. Beef.—Per hundred pounds on total weight of hide, tallow and meat, extra. \$5 50.65 75. first quality, \$5 00.65 26; second quality, \$4 50.64 75; third quality, \$4 00.64 25; a few choice single pairs, \$6 00.66 50; some of the poorest, bulls, etc., \$2 50.63 50.

Working Oxen.—460@130; handy steers, \$50 @100, or much according to their value for beef. Cows and Young Calves.—Fair quality, \$20@ 38; extra, \$40@48; fancy milch cows, \$50@68; farrow and dry, \$10@22.

Stores.—Thin young cattle for farmers: year-lings, \$8@16; two-year-olds, \$12@22; three-year-ods, \$20@32. Sheep.—Per pound, live weight, 2@2½c; extra, 2% @3½c; sheep and lambs per head, in lots, \$2@4 50; lambs, 4@5½c.

Fat Hoga.—Per pound, 3% @4 c, live weight; shotes, wholesale, ...; retail, 75c 2\$3 50; country dressed hogs, 4 1/2 @4% c. Veal Calves, -3@5% c P B.

Hides.—Brighton, 81/4 @ 71/2 P fb; country lots 61/4 & 53/4 c. Calf Skins. -70c@\$1 10. Tallow.—Brighton, 3@....c P ib; country lots Pelts.—35@65c each; country lots, 35@65c; Dairy Skins, 30@40c.

ARRIVALS AT THE DIFFERENT YARDS. CATTLE. SHEEP, HOGS. VEALS. HORSES Watertown, 4065 9486 12,161 577 344 Brighton... 699 504 15,872 411 60

General Live Stock Notes. Supply of livestock somewhat in excess of last week, and as the meat market was a little slow during the week, there was a perceptible falling off in values, Dealers and butchers claim a decline of \(^1\)4c on beef cattle, and \(^1\)4c decline on veal calves. The market yards were in bad condition this morning to show the stock; hogs were held at steady prices and good condition from the west. Our pork exports are considerable at the present time, therefore the steadiness in values.

	Cattle. Sheep.			Cattle. Sheep		
	Maine.					
	Vaterto	w n		R E French	18	
Morrill .	R:			W Micker		
Link	y	18		& others	.18	227
A	Bright	0.99		de Othors		000
TERLO	nes	7		Canad		
D A Par	у	-		At Water		
		8		B McIntosh		
Merrill					. 00	
Libe	y	0	4.0	J & Hatha-		
LIDDY B	all	90	40	way		150
WWH	1811	2.7	1			
A W Ne	wcomb mick	8		Massachu	etts	bo .
A N Rei	mick	2		At Watert	OWE	
J M We	eks	5		W Bardwell		80
Harris &				J S Henry	15	- 60
Felle	ows ?	54		J A Hatha-		
Geo Rev	rnolds	7		way	20	4
G K Bro	wn	6		way		
Thomas				At Brigh	ton.	
Co	5	101		A M Baggs		•
27 J. J. 58	lefield 1	1		C D Lowis	7	
27 0 Trees	icitota a			C D Lewis J S Henry	GA	13
W	**		-	H E Eames	0.4	
	Hamps			I D Pitch	D.	
AE	Bright	on.		J B Fitch	10	
G W Sa	nborn	24		& Co	10	
R W Fos		-		A H Gilmore	10	
	n	8		Scattering	70	
Shaw &				E N Smith	18	
Cott	011	10				
				New Yo		
ALV	Waterto	W II	0	At Water		R.
A F Joh	ies		aka	B Hurlbert	10	
\$ OE	hers	10	200	*** *** *		_
J C WIII	kins	3		Western S		
T J Cou	rser	2		At Brigh	ton.	-
HA WI	cox1	3		F W Dyer & Co		220
C A Eas	tman :	22		S S Learned	48	
Hracic &				Sturtevant &		
Woo	d 1	20	41	Haley	80	
WFWa	llace	50	9	Haley W H Monroe	48	22
				4 4 397 - 4		
Vermont. At Watertown.			At Water	OWI	22:	
At 1	Vaterto	WE		G A Sawyer		22
Carr &				W G Elllot1		
	iamson.			Swift Beef Co	966	
A A Pol	id	26	1	NEDM		
G H Spi	igg			& W Co		732
& C	0	14	71	E Morris	727	
H N Jei	me	3		J A Hatha-		
Britton	Si.			W4Y	629	91
Sava	ige	29	1	J A Hatha- W4y J Gould	75	

Maine.
At Brighton.
JSP Jones.
PA Berry.
Libby Bros...
W W Hail...
A M Remick...
J M Weeks...
Harris &
Fellows
Geo Reynolds...
G E Brown...
Thompson A A Pond.... G H Sprigg 4 & Co....
35 H N Jeane
28 Britton &
2 Savage...
7 R E French...
B H Combs...
45 J P Squire
2 & Co....
10 W Ricker & ..10 50 70 others .... & Co.... 30 New Hampshire.
At Brighton.
R W Foss
& Son....
Shaw & J 8 Henry... 26 At Watertown. At Brighton. A M Baggs....

40 C D Lewis ..... 11

3 J S Henry.... 11

40 A O Whiteker 20

9 H E Eames....

12 H A Gilmore 6

Scattering 6 A F Jones & others...20
J C Wilkins....
T J Courser
H A Wilcox....
C A Eas man...
Breck & Wood.... 5 Wood... 5 40 E N Smith.... New York. At Watertown.

Export Traffic.

Carr & B Hurlbert....
Williamson 2 17

Vermont. At Watertown.

The latest advices from Liverpool show an improvement in demand, with light supplies of American cattle, and also that prices on cattle are higher. At Loudon, state cattle selling at 114, a, 113, c, at Liverpool, 11c dressed weight, sinking the offal. Six English steamers have salled within the week from Boston with 3644 cattle, 1067 sheep and 120 horses.

Shipments and destinations—On steamer Bagamore for Liverpool, 640 cattle by W G Elliott, 89 horses by other parties. On steamer Armenian for Liverpool, 438 cattle by Swift Beef Co, 294 do by E Morris, 120 by J A Hathaway. On steamer British Empire for London, 212 cattle by E Morris, 123 do by Swift Beef Co, 31 horses. On Steamer Ottoman for Liverpool, 633 cattle by W G Elliott, 55 Canadian cattle by P McIntosh. On Steamer Corinthia for Liverpool, 374 cattle by J A Hathaway, and 917 sheep by J A Hathaway, on steamer Cambroman for Liverpool, about 600 cattle by W G Elliott.

Horse Business.

The market in a little better position than last week; not a large supply, and what did arrive were generally disposed of at steady prices. At snow's Combination sale stable the trade picking up, but mostly in business horses, with prices for common to good at \$65@, 160. At 3 pecula sale nice acting horses at \$425@175. At L H Brockway's sale stable a good trade; sold at auction 50 head on Wednesday, 35 on Saturday. mostly fresh horses, \$65@125. At Welch & Hall's sale stable 4 loads, and sold fairly well; can see an improvement in market; sales from \$60@150. At A W Davis' Northampton Street sale stable a fair business at auction sales. The movement in fine drivers, pacers, saddlers and business horses and prices from \$600 down. At E Ham & Co's sale stable moderate trade but better outlook for March. Sales most'y in business horses. Horse Business. Sales most'y in business horses.

Union Yards, Watertown. Tuesday, Feb. 23, 1897. Tuesday, Feb. 28, 1897.

No detention by late trains this week. A heavy train of 60 0 head of export cattle were loaded and started for steamer at Boston by daylight for Liverpool, all nice western steers of the first order. The trade in beef cattle was not quite as good as a week ago. Prices shaded somewhat in some instances 140 fb; western steers coat steady prices, but beef for the past week has been selling slow in Boston, therefore butchers were not quick to buy cattle this morning.

ning slow in Boston, therefore butchers were not quick to buy cattle this morning.

Cattle Sales.

J A Hathaway sold 15 steers av 1550 ibs at 5½

Dairy, N, Y, and Vt. firsts...

live weight, 15 do 1500 hs at 5c, 20 do of 1450 hs at 4½c, 16 do of 1425 hs at 4½c, 10 cattle of 1412 hs at 4½c, 20 do of 1400 hs at 4c. TJ Courser 2 cattle 3000 hs at 4½c.

Courser 2 cattle 3000 hs at 4½c.

Maine Cattle, Beef and Store.

122 beef cattle and 141 mileh cows and springers on the eastern train, together with a few cattle from N.H. via Eastern. The cattle for beef found sale, but not on as good terms as last week. We set the decline at ½c h. The eastern train made good time this week, to the credit of the railroad. G W Reynolds sold 1 odd ox of the railroad. G W Reynolds sold 1 odd ox of 1690 hs at 4½c, 2 steers of 2920 hs at 33.6c, 9 oxen at 1400 hs at 3½c, 1 ox of 1250 hs at 3½c, 9 oxen at 1400 hs at 3½c, 1 ox of 1250 hs at 3½c, 9 oxen at 1400 hs at 3½c, 1 oxed 1250 hs at 33.c.

Nheep Houses. Sheep Houses.

Supply increasing from the west and diminishing from New England. Market prices rule steady and very few at the yards offered to butchers, and will be light for the next three months, coming direct from the west to butchers. J S Henry 35 lambs 2750 ms at 54c, 13 lambs 1350 ms at 54c. It sheep 800 ms at 6c. B Huriburt 1 sheep 120 ms at 54c, lambs 40 ms at 44c; western sheep 2@34c, lambs 4264c.

Milch Cows and Springers.

Mirketa little more favorable to the buying interest, and but few changed hands on Tuesday-Such as did were at \$44@63.00 per head. Thompson & Hanson sold 4 milch cows at \$45 a head, and various sales on Tuesday at \$28@48, unless

Veal Calves. Veal Calves.

984 head against 1088 head last week. The market in not as good a position as last week, and a decline of \(^4\)c was inevitable, and dealers may any week look for a decline as supply increases, Shaw & Cotton sold 23 calves 110 fbs at 5\(^4\)c., P. A Berry 4 calves of 115 fbs at 5\(^4\)c., A M Baggs 10 calves 115 fbs at 5\(^4\)c., W.F. Wallace at 5\(^4\)c., W.F. Wallace at 5\(^4\)c. Fat Hogs.

Demand continues good and prices remain teady. An advance on northern is probable, ales at 4½ @4%c dressed weight; western hogs n large supply at 3%@4c live weight. Live Poultry. A few hundred pounds on sale of mixed quality Fair to good, do . Refrigerator

Boston & Albany Yards, Brighton WESTERN BEEVES. PRICES TO CWT. ON THE LIVE WEIGHT. Rxtra......\$4 00@4 50 Light to fair, \$3 25@3 50 Good to prime 3 50@3 62 Shm....... 3 00@ Choice, \$5 00@5 50.

Brighton, Tuesday and Wednesday,

Market fairly equipped with cattle, with more from New England than from the west. Considering the slowness of the beef market in the city and vicinity, butchers were not so fierce to buy, and ½c decline was generally effected. Some of the eastern dealers expected a slight decline. Shaw & Cotton sold 2 beef cows 1000 bs at 2½c. 1 buil 1000 fbs at 2c. R W Foss & Son sold & cattle av 1850 fbs 5c, 2 cattle 2060 fbs at 3½c. A M Baggs 2 cattle 4200 fbs at 2½c. A M Baggs 2 cattle 4200 fbs at 4½c, 3 cattle 1700 fbs each at 4½c, 2 buils 3500 fbs at 2¾c, 1 beef cow 900 fbs at 2½c. Western cattle of 1400@1550 fbs at 4@5½cfb; eastern mostly at 3@5c fb fb. Feb. 23 and 24.

Late Arrivals and Sales. Late Arrivals and Sales.

Late arrivals and sales at Brighton on Wednesday. The arrivals 225 sheep by W H Monroe, 19 cattleby O H Forbush, 20 cattle by W Cullen, 70 cattle, 140 calves, 117 pigs from nearby, together with such stock no sold here and at Watertown on Tuesday. The cow trade not especially active, and the quality included all grades. Libby Bros sold milch cows from \$30,650, Thompson & Hanson sold 3 extra cows \$40 each, 2 caws \$35, 2 at \$30 each. W Cullen 1 fancy cow \$60. 8haw & Cotton 1 yearling bull \$15, 1 springer \$35; W F Wallace 40 cows from \$25,65; J s \$Henry sold 1 cholee cow \$55, 2 at \$50 each, and general sales \$25,445. O H Forbush beef cows \$24,63c, CW Cheney 5 cows \$40,655. Store Pigs.—The offerings were disposed of at 75c@\$1.50 for small pigs, \$2@3.50 for shotes, Miscellaneous.

Hides.—Brighton, 61/271/20 Plb; country lots Tallow.-Brighton, 3c P lb; country lots 1@ Calf Skins.-70@\$1.10. Dairy Skins.-30@40c.

Boston Provision Market. The market continue quiet, with prices rul steady; hams remain quiet and unchanged. I quiet but steady. Shoulders are steady. Pork, long and short cuts \$\partial b\) \$10.25 Pork, lean ends, \$\partial b\) b. \$12.00 Tongues, \$\partial b\] \$\partial b\] \$13.00 Tongues, \$\partial b\] \$\partial b\] \$12.00 Tongues, \$\partial b\] \$\partial b\] \$\partial b\] \$2.00 Tongues, \$\partial b\] \$\partial b\] \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, corned and fresh, \$\partial b\] \$0.76 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partial b\] \$\partial b\] \$0.0 Shoulders, smoked, \$\partial b\] \$\partia The market continue quiet, with prices ruling

Fresh Meats.—Beef continues quiet with pri-es unchanged. Lambs are in better demand and steady. Mutton and yearlings quiet. Vealsare in light supply and nrm

ight supply and frm.

Beef steers \$\psi\$ th 5\psi\_4\cappa\_8c.
Beef, hindquarters, 8\cappa\_1lc.
Beef, forequarters, 3\square\_4\cappa\_6c.

Lambs.—Good to choice \$\psi\$ 7\cappa\_8c.

Mutton.—Mutton \$\psi\$ th 5\cappa\_7c.

Yearlings.—Yearlings \$\psi\$ th 5\cappa\_7c.

Yeal.—Veal \$\psi\$ th 7\cappa\_1c.

Hogs.—Dressed city \$\psi\$ th, 5\cappa\_5\square\_4c; country, \$\psi\$

\$\psi\$ th 2\square\_4\square\_5c.

Boston Produce Market. Wholesale Prices.

Receipts are falling off a little, but there is a large accumulation on hand and no sign of improvement as yet in the c ndition o the market. Most of the fresh killed turkeys are running too large and coarse and are very hard to sell at 12@ 13c. West, chickens are generally staggy and there are more sales at 7@8c than higher. Choice west fowls are not quotable at over 8c. Best west, capons cull at 10@11c. Ducks quiet. No demand for geese. Very little northern poultry coming and prices are mostly nominal Philadelphia chickens in limited demand only.

Presh Killed.

Powls, common to good.
Pigeons, tame ₽ doz N.
West. dry packed, drawn and headed-Turkeys, choice small. 75@1 00 .....131/4 @14 .....12@13 Turkeys, choice small...
Turkeys, common to good...
Chickens, choice...
Chickens, common to good...
Fowls, good to choice...
Ducks, com. to choice...
Geese, good to ch ice...
Old cocks, # B...

There is only a limited demand for live poultry as yet, but the small lots coming sell fairly a quotations.

Game.

The game trad is generally dull and prices for most kinds rule in buyers' favor. Quall has to be extra choice to bring \$1.25. Dark grouse hard to sell except in a small way at over \$1. Plutalls very dull and rarely brir g over 70c. Very little call for venison. This is the last week of the open season for rabbits, and they are cleaning up slow Rabbits, \$P\$ pair.

6@10
Quall. choice, \$P\$ doz.

1.25@
Grouse, \$P\$ pair.

60@10
Duck Mallard, \$P\$ pair.

75@85
Duck, Teal & Wilgeon.

30 440
Venison, saddles \$P\$.

10.816½ .... 6@10
.1 256@
60@1 00
.... 75@85
.... 30 440
.... 10@16½
.... 8@10

Receipts are liberal and with only a light de mand the market has an easier tendency. Buyers are not willing to pay over 21c for the finest VI. and N.H. creamery, but the supply of this grade is limited and no sales are reported under 21½c as yet. West fresh creamery is in full supply and best marks hardly quotable at over 20c. Firsts hard to sell at over 18c. Imitation creamery and ladle goods selling slowly. Note.—Assorted sizes quoted below include 20 30 and 50 fb tubs only.

Creamery, extra—
Vt. & N. H. assorted sizes...
Northern N. Y., assorted sizes...
Northern N. Y., large tubs.
Western, asst. spruce tubs.
Western, large ash tubs...
Creamery, western June, extras...

Creamery, porthern June extras... Creamery, northern June extra. Creamery, northern firsts...... Creamery, western firsts.....

Extra western creamery... Extra dairy Common to good... Trunk butter in ½ or ¼ 16 prints .19@ ...14@17 Extra northern creamery. Extra northern dairy. Extra western creamery. .22@

There has been no material change in the condition of the market. Stocks are light and firmly held, but demand is very moderate and for small lots. Fine fall north, hold firm at 13@12½c. Medium grades steady at 10@11c and very ordinary stock brings 9c. Liverpool quot. Sept. white, 58s. 6d.
New York, small, extra P B.

large extra P B.

seconds P B.

Vermont, small extra P B.

Cheese

Eggs. Nearby and Cape fancy P doz. Eastern fair to geod...... Vt. and N.H. choice fresh. Potatoes

Receipts continue liberal and with only a moderate demand the feeling is not very strong. Best Aroostook Hebrons are selling as wanted at 43c, with white stock ranging from 35@40c as to grade. Chenangoes steady at 55c. Potatoes, P bush—
Aroostook Hebrons.

New Hampshire Hebrons.

York State White Stars...
Hebrons and Rose, P bbl.

Vermont Hebrons. ork State Green Mountains, roostook white stock..... Sweet Potatoes

Jersey double head, P bbl ..... Cabbages are still in full supply. Most sales of spinach at \$1.21 25, but sometof the best by rall brought a premium. String beans in light supply. Tomatoes quiet. Turnips in steady, moderate de-Artichokes, W bu. Beet greens..... Bunch beets P doz. 20 @ 7 80@ . 12g14 125g ...85g87 .125g200 ...30g65 .325g350 .100g115 .200g300 .275g300 .275g300 .275g300 .275g300 Dandelions, P box..... Kale, Norfolk, P bbl... oms, P b... ce native, P bbl. Onions, Ohio, P bbl...... Onions, York State, P bbl..... Onions, Havana, P crate.... Peppers P crate.... Parsnips P bu , unwashed . . . . Parsley, \$\psi\$ bu.
Radishes, \$\psi\$ doz.
String beans, Fls., \$\psi\$ crate.
Squash, Hubbard, \$\psi\$ ton.
Squashes, native turban, \$\psi\$ bbl.
Squash, native, marrow \$\psi\$ bbl.
Spinach, Norfolk, \$\psi\$ bbl.
Spinach, Baltimore, \$\psi\$ bbl.
Tomatoes, hothouse, \$\psi\$ bb.
Tomatoes, Fis., \$\psi\$ carrier.
Turnips, \$\psi\$. Andrews yellow, \$\psi\$ bbl.
Turnips, Cape Cod, white, \$\psi\$ bbl.

Domestic Green Fruit.

The local market is decidedly dull, and average lots of Baldwins are having a dragging sale at 75c @\$1. Cranberries are dull and easy, selling anywhere from \$1@4 \( \text{P} \) bbl., as to grade. Strawber ries are in moderate supply and best lots selling in a small way at about 75c. Crauberries—
Cape Cod, ch., large, late var., ₱ bbl... 4 00@
Cape Cod, good to choice, ₱ bbl..... 3 00@3 50
Cape Cod, poor to fair ₱ bbl..... 1 00@2 50
Cape Cod, ₱ box ..... 78@1 25 Apples. common mixed varieties, P bbl. Florida Oranges-Pair to good.... Strawberriesrefrigerator, P at Fiorida, express, open crates, P qt. Very little doing and prices are ruling low. Hides and Pelts.

Bulls...
Hides, south. light green salted
dry flint.....
salted .... " buff, in west...... Calfskins, 5 to 12 fbs each overweights, each...
south flint dried P ib.
salted P ib.
Deacon and dairy skins... Shearlings each... Lambskins each... Pelts, each.... Choice Canadian P bu..... Dried Apples.

There is some call for low grades, ket is generally dull. There is a light demand for honey at unchanged quotations. N.Y. and Vt.clover, comb.1 ib frames, \$\psi\$ ib10@12 Black walnut, best grades. Grass Seeds. Beans.

Receipts continue liberal and all kinds at e having a slow sale. With prices in buyers' favor. Only the best York State marrow pea bring 90c. Some good Michigan stock has been sold at 85c. Very little movement in yellow eyes or red kidneys at any price. fea, round white ...
Mediums, choice hand picked ...
Mediums, sceened ...
Mediums, second ...
Yellow eyes, extra ...
Yellow eyes seconds ...
Hed Kidney ... The demand for hay yet rules quiet, with no material change to note. The best grades are in moderate supply and steady, but the stock of low and medium nay is excessive and prices on such favor the buyer. Rye straw is quiet and unchanged.

Hay, prime, large bales .... No. 1, P ton.... Straw, tangled rye .....

The Sugar Market.—Refiners' prices. Refiners quiet, with prices quoted unchanged. is quiet, with prices quoted unch Cut loaf and crushed, 5 1/8c. Pulverized, \$P\$ lb, 44/8c. Powdered, \$P\$ lb, 44/8c. Granulated, \$P\$ lb, 44/8c. Granulated, \$P\$ lb, 44/8c. Ontario As, \$P\$ lb, 44/8c. Ontario As, \$P\$ lb, 44/8c. Bag yellows, 3/23.81c. Extra Cs, 3 68 24 06c.

## Gained Forty-One Pounds.

Surprising Loss of Flesh, and the the crop. Toughen until the stalks are the value of horse and cow manure is Reason-The Reason of the Gain.

Fr m the Advance, Ogdenshurg, N, Y, The picture of health is Mrs. Ferdinand Bo

#### Flour and Grain Market.

The general movement in flour continues Juli with prices quoted firmer. The wheat market closed higher.

Spring patents, \$4 50@4 75

Spring, clear and straight, \$3 75@4 35.

Winter, clear and straight, \$4 40@4 75.

Winter patents, \$4 85@5 10.

Jobbing prices 25c. higher.

Oat Meal.—Continues quiet and unchanged at \$3.10g3 50 P bb; for ground and rolled, and \$3.50g5 90 for cut.

Hawkeye, Volumeer and Puritan are among the best of this class—all colled. Corn Meal.—The market is quiet at 62 g64c P bag, and \$1.35 g1.40 P bbl; granulated, \$1 80 g 2 P bbl.

Bye Flour.—Trade continues quiet with prices to green and crack around the stem. Corn.—Trade is quiet with prices quoted steady Old, steamer yellow, spot, 31 ½c.

New corn, spot, 31c. No. 2 yellow to ship, 314 @314c. Country, yellow, to ship. 304@31c. Oats. — The demand is quiet with prices unhanged on spot and to arrive. Clipped, fancy. spot, 26c.
No. 2 clipped, spot, 25-ye.
No. 3 clipped, spot, 25-ye.
No. 3 clipped, spot, 25c.
Rejected white, spot, 24@24-ye.
Clipped, to ship, new. 24@25c. Fancy higher Milifeed.—Trade continues quiet, with prices

ake and rall firm.

Middlings, sacked, spring, to ship, \$12@15
Bran, sacked, spring, to ship, \$12 60@15 50.
Bran, sacked, winter, to ship, \$14 @15
Ground wheat, to ship, \$14 60@15
Mixed feed to ship, \$14 50@15
Glu.en meal, L & R, \$15@16
Cottonseed meal, \$7\$ ton, \$20.75@21
Malt.—The market is only fairly Malt.—The market is only fairly steady, with Marblehead, Mass.

Canada grades, 58@62 State grades, 52@55

age by car. 14g14 50

ALL QUOTATIONS W

ALL QUOT 

Vestern pine, uppers.... There has been a steady business doing in Sou-thern pine, with the outlook excellent for the coming year.
Southern pine, Dim, from yard.
"ch stp plk, "selected, rift, "

\_\_\_\_\_ -In some of the farming districts of China pigs are harnessed to small wagons and made to draw them.

WHEAT Will probably bring good price

**NITRATE OF SODA** 

Applied in the Spring, 58 to 160 pounds per acre-will greatly in

Please ask for pamphlet with full instruc-tions for using NITRATE on Wheat and other crops and instructions for MIXING FERTILIZERS at home. Address S. M. HARRIS, Moreton Farm (P.O.) N.Y.

#### Hints for Tomato Growers.

The early plants are started the earlier stems with soil.

"If picked in early stages of ripening

and will keep for weeks." The round, thick, flat class is well represented by the Trophy, one of the largest, most solid and a fine cropper. The Ignotum, Red Cross, Belmont, among the best of this class-all solid and excellent sorts. The Belmont, on a Small vine with few leaves, bears a large masket un changed at \$2.70@4 80 P bbl.

Rye.—The market continues quiet, with prices nom. at 45@46c. The Ignotumis deservedly very popular, and the Puritan, some seasons, cracks

less than the average varieties. Of the spherical round class are many excellent sorts, of which Bond's Early Minnesota, a variety below the average size, is probably the earliest. The best of this class are the Livingston's varieties, Optimus, Comrade, Imperial, Fordhook, Aristocrat and Dwarf Champion, all excellent croppers. The two last named are favorites with those who manure very highly, as they can be planted 3x4.-J. J. H. Gregory & Son,

43@53
38@43
16@17
13@ess doing in Souellent for the comrom the West are heavy and the home make
is beginning to increase. The stock in storage,
30@33
33@33
33@33
Capped and from the lead of we-tern
markets the decline may go farther. Shipments
from the West are heavy and the home make
is beginning to increase. The stock in storage,
however, is small, and any slackening in receipts could restore prices. Best northern
creamery is quoted at 21c; stored creamery,
18c; western extra, 19c; dairy, 18c to 20c.
Cable advices of Feb. 24 to Geo. A. Cochrane
from the principal markets of Great Britain

red before setting in open ground, and contributed by Professor I. P. Roberts then if plants are long-legged, plant to the Rural New Yorker:-"I have noslanting, covering more or less of the ticed marked differences between the The picture of health is Mrs. Ferdinand Bouchard, who resides In one of the apartments in the Hamili Block, at Ogdensburg, N.Y. Yet for years she has been almost an invalid.

"I came to Ogdensburg from Montreal, P.Q., four years ago," said she to a reporter. "For years ago, and scatter a spoonful of nitrate of soid a row and scatter a spoonful of nitrate of soid a row and scatter a spoonful of nitrate of soid a row and scatter a spoonful of nitrate of soid a row and scatter a spoonful of nitrate of soid a row and scatter a crops grown on land treated with horse About that time my mother wrote me that she had read of a very similar case to mine that had been cured by Dr. Williams' Pink Pills for Pale People, and as a last resort I resolved to the resolved to the manner of the resolved to the reso

had been cured by Dr. Williams' Pink Pills for Pale People, and as a last resort I received to try them.

Thou boxes were taken before I began to feel any real benefit. I continued taking them until I had used ten boxes. I now do my own work, eat and sleep well, am not nervous, suffer to pounds, and taken sick I weighed 130 pounds, and was quite strong, but as my strength left my weight fell to barely 100 pounds. The two greatest injuries to the tomato is from cracking and rotting.

The two greatest injuries to the tomato is from cracking and rotting. Some varieties are much less subject to these than others. The Puritan stands high in this regard, and the new and prevention and used as such in general practice by an eminent physician. So great was their efficacy that It was deemed wise to place them of all. They are now manufactured by the Dr. Williams' Medicine Company, Park Pills for Pale People are most a patent medicine in the sense that name implies. They were first compounded as a prescription and used as such in general practice by an eminent physician. So great was their efficacy that It was deemed wise to place them of all. They are now manufactured by the Dr. Williams' Medicine Company, Schenectady, N. Y., and are sold in boxes are more approached the public are cautioned against numerous intations sold in this shape) at 50 cents a box, or six boxes for \$2.50, and may be had of all truggists, or direct by mail from Dr. Williams' Med. Co.

The very subject in the case of using manure for increasing heat in the sacil, as mind much of it will ripen.

The two greatest injuries to the tomato is from cracking and rotting.

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The two greatest injuries to the tomato is from cracking and rotting.

Some varieties are much less subject to the tomato is from cracking and rotting.

Some varieties are much less subject to the tomato is from cracking and rotting.

The humber of the wild received to the truit on some suntil from cracking and rottin



## The Best Book

W. W RAWSON CO., Boston, Mass



CREAM PUBLISHING CO., Belfast, Me.

## ANDREW H. WARD, Consulting Agricultural Chemist,

Cable advices of Feb. 24 to Geo. A. Cochrane from the principal markets of Great Britain give butter markets as all very much depressed with prices in most cases purely nominal. The accumulations of Australian and New Zealand are large and late arrivals of American are neglected by buyers who find better value in Australian, very good quality being offered at 17c to 10c, with the very finest at 19c to 20c. Fresh imitations and ladies are very dull and are pressed for sale at irregular prices.

Cheese markets while firm are slow, buyers generally well stocked and indifferent. Importers are firm and continue to hold finest September at 12 to 12 1-3c.

Consulting Agricultural Chemist, 153 MILK STREET, BOSTON, MASS.

Fertilizer formulas furnished based on required conditions. For sale at market rates: Powdered Phosphate of Lime, Dissolved Bone, Ammonia, Potash and Sods Salts. Inodorous Mixed Fertilizers with Potash Salts sold at Experiment Station Valuations. When sods is substituded for potash, the price of soda as equivalent to that of potash.

Analyses Gnaranteed. Circulars sent on application.

## Manures Compared.

The following comparison between **DVRDENS** ARE MANY FOLD

STRAWBERRY PLANTS ASPARAGUS ROOTS by 100, 1000 or 10,000 lots. Send for Catalogue to GEORGE F. WHEELER, Concord, Mass. WANTED—A man and wife to take charge of a milk farm in the vicinity of Worcester, Msss, Must be young and willing to work, and understand the care of cows and the handling of milk. State experience and give references. Address BONNYBROOK FARM, P. O. BOM 485, WORCESTER, MASS.

Northwestern New York SEED POTATORS. produces the very best SEED POTATORS. Heavy yielders: BULLY BOY, QUAKER OITY, GOOD NEWS. 70 kinds; fair prices. List free. CHAS. W. FORD & CO., Fishers, Ontario Co., N.Y.

#### AVENUE CAFE AND QUICK LUNCH, 14 CHANGE AVENUE.

From State St. to Faneuil Hall Square We have the patronage of many farmers and gardeners already; there is room for more.

GIVE US A TRIAL. OUR MOTTO, Good Food, Well Cooked, Well Served,

Plenty of It. E. S. FLETCHER, Proprietor.

# OWNERS of FARMS

If You are desirous to SELL, RENT, OR EXCHANGE

Your farm, WITH or WITHOUT privilege of buying, now is the time to list them with us. We are constantly having calls for such, and make a specialty of FARM PROPERTY. Send full particulars to

MASS. PLOUGHMAN OFFICE, A SPARAGUS ROOTS, extra 2 years old Prices very low by the thousand. All home grown at Belmont, near Boston. Also other Nursery Stock. WHITING NURSERY CO., 457 BLUB HILL AVE., BOSTON, MASS.

WORTH TEN TIMES ITS PRICE.

That is what that great Medical Journal, the "GLEANER," says of Dr. Bland's book, How to Get Well,

AND How to Keep Well. It is a complete Family Physician and a

Guide to Health, BY AN EMINENT AND PROGRESSIVE PHYSICIAN AND AUTHOR. Its directions for curing the different diseases are so plain that any person can follow them, and the remedies prescribed in it are simple and safe, as well as reliable and sure. It is the best home doctor book ever published, is what the press and the people say of it.

Congressman Kern writes: With Dr. Bland's Book in my house I feel

independent of doctors." This most valuable book is for sale at the flice of the MASS. PLOUGHMAN, for \$1.00.

MAPLEWOOD FARM. Fruit and dairy farm 85 acres, beautifully situated at corner of streets in the fine old town of Southboro. 1 mile from station, stores, P.O., etc. 60 acres in grass and fruit; keeps 20 head stock. New house, 10 rooms, in fine condition. Stock barn 85x30, annex 85x12; cellar under barn, carriage house and poultry houses; fine water at all buildings. Milk route alone pays \$200 per month. 500 peach trees, 3 and 4 years old, fully budded, '75 plum trees coming into bearing, 75 apple, fall and winter kinds (30 years old) Only \$5500. ½ cash, including 12 cows, 5 horses, 5 breeding sows. 60 fowl, 4v tons hay and fodder, mowing machine, horse rake, 2-horse express wagon, 2 horse farm wagon, 2-horse hay wagon, 2-horse tip cart, 2-horse milk wagon, road wagon, 2 pungs, single and double. 2 horse sied, double and single harnesses, plows, harrows, cultivators, full set small tools. No better farm in town. Co-tinued illness of owner's wife the only cause of sale. Fruit alone in a few years will make farm worth double our asking price.



## THE BUSINESS HEN

cheese markets while firm are slow, buyers generally well stocked and indifferent. Importers are firm and continue to hold finest September at 12 to 12 1-3c.

Farm vegetables are mostly plenty, with few changes in quotations.

Potatoes 40 to 45c per bu. in large lots, but jobbers quote about \$1.40 per bbl. Sweet, \$1.25 per bbl.

Onions continue high, quoting \$3 to \$3.75 bbl. Hothouse vegetables selling well. Cucumbers \$17 per 100, spinach \$1 box, lettuce \$1.50 per 3 doz. Others unchanged.

Green peppers from the south bring 50c per three qt. box. Strawberries 60c.

Celery higher, quoting \$9 to \$11 per box.

Apples are cheaper again, following the depression in foreign markets. Good Baldwins can easily be bought at \$1 and extra ones at \$1.25 to \$1.50. No call for russets yet.

Cranberries same as quoted last week. Breeding and Feeding Poultry for Prop.

ten cents for each pattern.

towards the foot.

jacket.

· eator in its fashion notes for spring.

Rolling folds fall below plaits or gath-

In one style of skirt the back is press-

There is a tendency to ripple in the

The Empire box jacket flows, sack

fashion, from the shoulders to the line

of the waist, both in the single and dou-

As jaunty as it is practical is a eveling

The fronts in a French blazer roll back

a triple-pointed upright collar are fea-

Plaits with pointed lower ends on the

A deep tab collar is improving to a

heightens the attractiveness of the

the waist of a very stylish costume.

desirable, but the kitchen ought to have

sun. The idea! kitchen is only one

story high, with the ventilation from the roof. It should be made as pleasant

as possible, and the health and comfort

of the servant should be considered in all

its arrangements. The furnishings should

be simple. There should be a small, low table covered with zinc, with castors on

it so that it can be moved about to the

range or pantry. This table should be

low enough to slip under the larger

table, and be used for paring vegetables

There should be several strong chairs

sharply pointed front corners.

The jacket of an Eton costume shows

bodice.

convenient.

and fruit.

ers formed at the belt of most skirts.

ed in plaits from belt to foot.

tion in an Empire jacket.

a modish covert coat.

ble breasted varieties.

from neck to waist-line.

bolero collar.

are folded in.

Jackets are shorter than ever.

#### THE HOUSEHOLD.

CAN YOU ANSWER?

Can you put the spider's web back in its place That once has been swept away? Can you put the apple again on the bough Which fell at your feet to-day?

Can you put the lily-cup back on the stem, And cause it to live and grow? Can you mend the butterfly's broken wing That you crushed with a hasty blow?

Can you put the bloom again on the grape, Or the grape again on the vine? Can you put the dew-drops back on the flower And make them sparkle and shine?

Can you put the petals back on the rose, If you could, would it smell as sweet? Can you put the flour again in the husk, And show me the ripened wheat?

Can you put the kernel back in the nut. Or the broken egg in its shell?
Can you put the honey back in the comb,
And cover with wax each cell?

Can you put the perfume back in the vase, When once it has sped away? Can you put the corn-silk back on the corn, Or the down on the cat-skins—say?

You think that my questions are trifling, dear? Let me ask you another one: Can a hasty word ever be unsaid.

Or a deed unkind, undone?
—Young People's Paper.

#### A HAND-PAINTED BABY.

One lived in the handsome brownstone up on the avenue. It went out for an airing every day in its dainty cab-a thing of rare beauty, enamelled in white, picked out in gold. A white goat-skin rug lay under baby's feet, a cover of delica'e blue overspread its form, and a hand-painted strap of white kid, decorated with apple-blossoms and having the word "Baby" in gold letters just in the centre, held this lucky baby in its Dan rollicking on a comfort spread on

the floor. He was dressed in a little The nurse who accompanied it on its dotted calico gown, his feet and legs daily trips from the bottom of the brownwere bare; but he was fat, rosy and stone steps, down which the colored porter, assisted by another man-servant of the house, tenderly brought it, was almost as fine as Baby Brownstone heralmost as fine as Baby Brownstone herand-blue lining and its white goatskin

One day little Susie Gray, the carpenter's daughter, was passing by just rug. as Nurse Wiggins stopped to chat with have a baby you can kiss and romp with an acquaintance. A gust of wind tore the baby-carriage loose from the nurse's hand, in which the handle had been hand, in which the handle had been had a silk bet sort of thing. You the avenue toward a curbstone a foot high. In a moment more it would have been dashed down the steep step in front papa is a carpenter, and can't afford to of a heavily-loaded coal-wagon. But Susie Gray-fleet-footed, tender-hearted

"Oh, thank you! Thank you ever so Christian Work. much! I can't tell you how happy I am that you saved the dear little one from being dashed under the horses' hoofs! exclaimed the nurse, almost hysterical

"I'd have done it just the same if here'd been no one to thank me," said "Nesting in the linn, where spray splashes nest and sprinkles feather; there'd been no one to thank me," said

replied Nurse Wiggins. "Then I know and care. Here's baby, for instance. You couldn't begin to guess how many white petticoats she has, and other

"How many has she?" asked Susie. directly, curious to compare the lot of things, and there is nothing more an-

answered the nurse. "But her underwear is all of the finest linen, and every If it is a hole, say, in the bottom of a one of black satin, velvet or cloth. To the severity of a princess gown. bit of it hemstitched by hand. She has ever and ever so many white dimity the surrounding parts (inside the can) size will require two and one half years.

In the severity of a princess gown.

To the severity of a princess gown.

A blouse front droops from a very keep them dark. I have asked for mine ever and ever so many white dimity the surrounding parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the same prices that the florists do, \$1,000 the price of sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the same prices that the florists do, \$1,000 the price of sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the same prices that the florists do, \$1,000 the price of sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the price of sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the same prices that the florists do, \$1,000 the price of sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the same prices that the florists do, \$1,000 the price of sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the price of sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the price of sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the price of sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the can be also sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the can be also sand parts (inside the can) size will require two and one-half yards deep yoke in the waist of a costume the can be also sand parts (inside the can) size will be also sand parts (inside the can) size will be also sand parts (inside the can) size will be also sand parts (inside the can) size will be also sand parts (inside the can) size will be also sand parts (inside the can) size will be also sand parts (inside the can) size will be also sand parts (inside the can) petticoats—so many for the night and with a piece of sand paper, then apply of forty-four-inch wide material. The made with an eight-gored skirt. so many for the day. And the needle- a little powdered resin. work on them is almost a fortune. Besides, they are trimmed with real Valen- the way, must be made of copper and and retails for twenty-five cents. With single rever applied over the closing "That's a very pretty wrap she has heat in a clear fire-not red-hot, or it

on," ventured Susie. will be useless until tinned again; rub 'Yes, indeed!" said Nurse Wiggins. it quickly on an old duster to clean the "It's made of Bedford cord, and those point, and then take up as much solder rosettes are baby ribbon. Costs a dollar as possible on the point of the iron, and a yard. Every one of her things has her apply it as nearly as possible over the name painted upon it."

"Dear me!" exclaimed Susie, whose idea of the cost of hand-painting was solder will stick fast enough. I prefer perhaps extravagant. "You don't say spirits of salts in which zinc has been dissolved as a flux for general use; but,

"Yes, indeed!" ran on Nurse Wig- for an amateur, resin is safer, and, as a gins. "And not only her name, but rule, more handy. daisies and violets and spring blossoms all over every piece of furniture and everything." 'You mean her cradle?" asked Susie.

"Cradle!" sniffed Nurse Wiggins, in to use the eyes as much as possible disdain. "No, indeed! No proper baby every day in looking at things far away. has a credle nowadays. You know they The clouds, the sky, distant trees and are considered very unhealthy. The forests may be often very profitable obrocking brings on brain fever, and the jects of observation. Sailing on the doctors have pronounced against them. water is especially useful to strengthen She has a little brass bedstead that has the eyes and prevent shortsightednessto be polished every day with a soft sailors are usually longsighted. People chamois-skin until it shines like gold. who live in the country would find it The curtains are of silesia." easy to follow this advice. but in towns "Our baby sleeps on a pillow in the big rocking-chair," volunteered Susie.

"On a pillow?" Mercy! Not feath- pleasure in life not to be able to see ers? He should have a mattress filled things well in the distance as well as with carefully picked horsehair, very near. The eyes are injured by night fine. Then," went on Nurse Wiggins, work, and also by loss of sleep. One "the baby's blankets are tied with bright of the best remedies for weak eyes is ribbon. There's a lamb's wool comfort plenty of sleep. tied with ribbon. Her pillow is of rubber, filled with air, and the slips are the Abraham Lincoln liked to feel himself the attorney of the people, not their daintiest things!"

ter?" questioned Susie. "Ma puts our of his renomination, he said: "If the organization utility wear. As represented on the wall. Nothing that is used in the baby in the wash-tub, and he kicks and splutters like a seal."

people think I have managed their 'case' it is made of all-wool cheviot and the free splutters like a seal."

kitchen can be out of keeping when edges are finished with machine stitch-

Nurse Wiggins. "Bless you, yes. Baby I shall be glad to take it."

has a beautiful pale pink and blue china THE HOME CORNER. bowl in a white enamelled frame. It is divided into two parts-one for the hot water and one for the cold. Then FREE PATTERN. there's the soap-cup divided in the same

"I know where there is a baby it won't

hurt to kiss. Goodness sakes alive!

How very fine babies are upon the ave-

nue, that they're afraid to let anybody

kiss 'hem, or the sun to shine on them,

or a little breath of wind to strike

them! I'll go home and have a good

romp with Dan, and kiss him all over,

from the tips of his little pink toes to the

crown of his little bald head; and nobody

will be afraid of Mike Crow or Mike

olly. And Susie couldn't find it in her

sponge, and all that sort of thing. You

ought to be thankful, Dan, that your

own a brown-stone mansion up on the

THE LITTLE DIPPER.

BY WILLIAM CANTON.

Little Dipper, piping sweet in the shrewd mid-

Soldering at Home,

The heat will melt the resin, and the

Short Sight.

To prevent shortsightedness, it is well

anybody else!"

"You are a good girl, I am sure, to

take care of your brother," said the "But I must be gone now, and .MASS. PLOUGHMAN COUPON. .

you must run home to see if little Dan doesn't want you."

"Mayn't I kiss your baby before 1

"Mayn't I kiss your baby before 1

"THE HOME CORNER, MASS. PLOUGHMAN," go?" asked Susie, half timidly and half

go?" asked Susie, half timidly and half boldly.	* BOSTON, MASS.
"Kiss her? Mercy sakes alive! Kissing is very bad for babies. No proper nurse, I am sure, would allow her baby	. Name
to be kissed while out on the street. There's microbes, you know, and one	Address
thing and another; and the doctors say it isn't good for them. Good-day to you, little miss!"	
"Good-day!" said Susie, of a sudden growing very dignified. "I don't want to kiss her very much, after all." Then	• Size
she said to herself, as she went home:	* Knolose ten cents to pay expenses.



6971-Ladies' Double-Sreasted Eton Jacket This jaunty and becoming Eton jacket tures of one style of bolero jacket. avenue! For you don't know what is made of dark green broadcloth comyou'd have to put up with if you were a bined with velvet and trimmed with little thing that she was—ran and caught hand-painted baby!"—J. F. Cowan, in passementeric ornaments. The trim adjustment is rendered by shoulder, underarm, centre-front seams, and single bust close-fitting. darts, and the closing is effected in double-breasted style on the left side of back and fronts, and a collar with point- pot, and there is quite a bit of green. the front by hooks and loops, the hand- ed ends are pleasing traits of a severely some braided ornaments adorning the planned basque. fronts being used as decoration only.' A stylish collar of effective design falls neck of a fanciful evening bodice that deeply at the back, rolling away in front, has fullness nowhere save just across the quils must have sunshine—it is not nec-Susie, "because I have a little baby Neath the fringes of the ice, down the burn-displaying a dainty chemisette, collar bust. rother of my own."

"Ah! have you, indeed, little miss?"

"Then I know or be snow driving;

"Then I know or be snow driving; fullness, are plaited at the top and com- dressing-sack. now much you must love the precious Life's white winter comes apace; oh, but gaily pleted at the wrists with braided ornathing. They are such dear creatures!

Shall I bide it,

If my bosom, like thy nest, house a singing-bird inside it!

The ments. The model is admirably adapted to the early spring or the milder days of inside it!

"The greater part of the plants are the campanella variety. The big double winter, when one is obliged to discard or stock." ments. The model is admirably adapted winter, when one is obliged to discard a stock. the heavier wraps or jackets. It is exceedingly becoming to most figures, and is applied at the back, and tucks are the Empress jonquils. may be fashioned in rough or smooth- formed across the fronts. In the country it is very handy to be faced cloth to match the garment over able to mend one's own household which it is to be worn, or made of Perthis dainty darling from the avenue with that of her own baby brother.

"Oh, I couldn't begin to tell you!" sian lamb, Astraknan, plush, electric in width.

Boleros with plain and fanciful out the bulbs had been planted they could, unable get it repaired speedily.

sian lamb, Astraknan, plush, electric in width.

Boleros with plain and fanciful out the bulbs had been planted they could, if the closet was large, be put in there, if the closet was large, be put in there, unable get it repaired speedily.
Soldering, however, is a simple thing.

terlining may be provided, while the linen chemisette may be discarded for Loose panels and a bolero moderate or I should put them under the bed and or I should put them under the pattern, No. 6971, is cut in sizes for a The deep tucks formed in the waist of Get your soldering-iron—which, by 32, 34, 36, 38 and 40-inch bust measure, a costume suggest a jacket effect. A



and a shelf on which the cook book and This jaunty costume is particularly other reading matter can be kept. The tins should be kept on shelves or hung "Does she like to splash in the wa- ruler. Speaking once of the probability adapted to travelling, shopping, business "In her bath, you mean?" corrected carry it up to the next term, I am sure ing. The neck opens upon a linen chemical condition, they are pleasant to look at. sette and smart tie, and a leather belt with Stone china is ornamental as well as fancy buckle encircles the waist. The useful. shaping of the basque is accomplished by single bust darts, while the back and portant thing in the kitchen, and much side seams extend to the shoulder; the depends on the proper use of the usual under-arm gores separating the draughts. The smoke or flue damper fronts from the back. The close-fitting which pulls out in the front of the stove double-breasted fronts lap widely and is very important, and should always be close on the left-front with handsome open when one builds a fire, so as to pearl buttons and button-holes. The give a current of air. Coal should upper edges are reversed to form pointed never be allowed to burn to a white lapels that meet the rolling coat sollar in heat, because though at first it gives an uneven notches. At each side of the intense heat, after a short time it is imfront and back wide plaits are applied that are carried below the waist line where they terminate in poiats.

The stylish sleeves, of moderate fullness, an effective method. The coal should fit closely below the elbow, the top being never come above the lining of the gathered in gigot style and the wrists are range. One can do much better work finished with pointed tabs. The skirt emphasizes the latest cut of modified skirts. It fits smoothly at the top across the fronts and sides, with the back laid

in close plaits that turn toward the cen- sewer. It is better because more healthtre-back, where the placket is finished, the lower edge having the fashionable flare is finished with machine stitching to the depth of a wide hem. All season-bot suds and hot sods water, and the way, with a place for the silk sponge and another for the soap. Nobody's but my own hands are allowed to give her her bath, I can tell you that. They would soon have her dainty skin sore."

"Mother often lets me wash baby's hands," said Susie, rather proud of the distinction.

"You are a good girl, I am sure, to the matter of dress is variations and econ- utensils, which should be wiped inside

omy. To make this basque for a lady in and ontside. Russia crash is good and the medium size will require two and wears well, but for the glass and china one-half yards of forty-four-inch wide a softer material is better and more material. The pattern. No. 6995, is cut easily washed. A wire dish cloth is in sizes for a 32, 34, 36, 38 and 40-inch almost indispensable; it cleans without bust-measure, and retails for twenty-five any trouble. cents. The skirt, No. 6906, will require The kitchen utensils should be washed

four and three-fourths of same width as carefully as the dining-room articles. goods, and is cut in sizes for a 22, 24, Never scrape with a knife or spoon, but 26, 28 and 30-inch waist measure. It buy little wooden skewers such as retails for thirty cents. With coupon, butchers use. If hot water is allowed to cool in

the kettle, it will rust it, and when once a thing rusts, it always rusts. Tin Fullness distributed across the bust of rusts first, next granite, and then iron. · a basque waist, and two sets of under-"Utensils in which food has been .... \* arm gores, render it an appropriate fried should be first wiped out with a paper before being washed. Never ... \* choice for stout figures, says the Delinscour with sand, it scratches. Wood Skirts are made with a medium sweep ashes are good for scouring.

"The care of the plumbing is mos important. Once or twice a day the sinks should be well flushed with hot soda water. The proportions of this mixture are: One-half pint of washing soda to six quarts of boiling water, letshort skirt of a new double-breasted is dissolved. The opening of the drain pipe should be covered with a strainer. Clinging sides are a decided innova-Upon the proper care of the kitchen utensils depends the health of the per-A double-breasted front distinguishes sons living in the house."

Mrs. Margaret Deland, the author, believes that money can be made by raising jonquils and selling them. She The jaunty hussar jacket extends to has just had her second annual jonquil the waist, and may have a military or sale, and gave her experience to a reporter for a Boston daily.

"The bulbs cost me from one to three jacket with rolled fronts and a plaited cents apiece," she said. "In the bottom of the pot I put a layer of moss, then a spoonful of charcoal, then in rich soil plant eight or nine bulbs in each pot. A pointed yoke and applied plaits are the striking points of a Norfolk jacket.

Do not fill the pot within an inch of the top. This is a necessary point, as the top. This is a necessary point, as the In another Norfolk blouse the plaits bulbs need water and they cannot get enough if the earth is smooth and hard

A fanciful outline, square revers and to the very top.

"Water thoroughly, then leave in a cool dark place from six weeks to two The military or hussar basque defines months. People bring them out too every line and curve of the figure, though soon. Usually as soon as a speck of green shows they bring them to the Even the skirt in the cuirass basque is window-that's wrong.

"Leave the pots in the dark until the roots come through the bottom of the Then when that time comes bring them out and keep well watered. Keep water A Marlborough collar rolls from the in the saucers.

"Many people have the idea that jonessary. Those jonquils there were in a north room and never had a bit of sun shine, yet they look just the same as the Height is given many of the new fan. rest.

ones are Daffy Down Dilly and those In a certain shirt-waist a pointed yoke with the light yellow petals are called

"A woman in one room could easily The bishop sleeves which are inserted make \$15 on jonquil raising. The cost, a pot, and even if sold at wholesale prices \$1.25, \$1.50."

## Sewer Gas.

What is commonly called sewer gas is a mixture of several gases which emanate from decomposing animal and vegetable matter in sewers. The prin-A smooth front that suggests the mid-cipal of these gases are sulphuretted hydy style and a fancy bolero jacket form drogen, ammonia, and carbonic acid. The Building World enumerates several useful tests for detecting the presence Miss Parloa is giving a series of lec- of obnoxious gases. A test of sulphutures on "Domestic Economy" at the retted hydrogen is a piece of blotting-N. Y. Young Women's Christian Asso- paper dipped in a solution of plumbic ciation rooms. At one of these she acetate; this is turned black on expossaid: The subject of kitchens and pan- ure to the gas. For ammonia, use tries covers a great deal of ground, and strip of red litmus paper, which will as I cannot go into details, I will give turn blue or yellow; a strip of yellow you a few general principles. The kitch- turmeric paper will turn brown in the en and pantry should be separated as presence of that gas. Blue litmus pamuch as possible from the rest of the per will turn red when exposed to carhouse, and yet be near enough to be bonic acid gas, and the same gas when passed through lime-water will make it. For the pantry a north exposure is cloudy.

A WOMAN'S BODY.

What Its Neglect Leads to. Mrs. Chas. King's Experience.

A woman's body is the repository of the nost delicate mechanism in the whole realm of creation, and yet most women will let it get out of order and keep out of order, just as if it were of no consequence. Their backs ache and heads throb and

burn; they have wandering pains, now here and now there. They experience extreme lassitude, that don't-care and want-to-be-left-alone feeling, excitability, irritability, nervousness, sleeplessness and the blues, yet they will go about their work until they can scarcely stand on their poor swollen feet, and do nothing to help themselves. These are the positive fore-runners of serious womb complications, and unless

given immediate attention will result in untold misery, if not death. Lydia E. Pinkham's Vegetable Compound will, beyond the question of a doubt, relieve all this trouble before it becomes serious, and it has cured many after their troubles had become chronic.

The Compound should be taken immediately upon the appearance of any of these symptoms above enumerated. It is a vegetable tonic which invigorates and stimulates the entire female organism, and will produce the same beneficial results in the case of any sick woman as it did with Mrs. Chas. King, 1815 Rosewood St., Philadelphia, Pa., whose letter we attach:

"I write these few lines, thanking you for restoring my health. For twelve years I suffered with pains impossible to describe. I had bearing-down feelings, backache, burning sensation in my stomach, chills, headache, and always had black specks before my eyes. I was afraid to stay alone, for I sometimes had four and five fainting spells a day. I had several doctors and tried many patent medicines. Two years ago I was so bad that I had togo to bed and have a trained nurse. Through her, I commenced to take Lydia E. Pinkham's Vegetable Compound, and I never had anything give me the relief that it has. I have taken eight bottles, and am now enjoying the best of health again. I can truthfully say it has cured me."



# Five Fixed Facts.

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FACT No. 3, GOLD MEDAL is America's Greatest Family Flour.

FACT No. 4. GOLD MEDAL is made in the finest flour milling plant on the Globe.

FACT No. 5. Bread made from GOLD MEDAL has delicious taste, beautiful color and is of light and fine texture.

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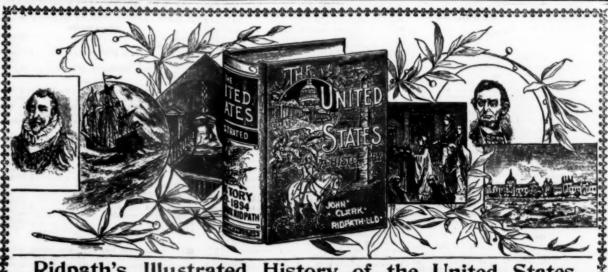
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BILLY. HE'S IN T Pve got a letter, parson, front West,
An' my ol' heart is heavy
my breast,
To think the boy whose future proudly planned
Should wander from the path

OUR HON

to sich an end!

I told him when he left us years ago, He'd find himself a-plowin' in row— He'd miss his father's counse prayers, too, But he said the farm was hate

he'd have to go. I know thar's big temptation the West, But I believed our Billy h An' when he left I warned

waitin' snares That lie like hidden sarpint everywheres.
But Bill ha promised faithfu He'd build a reputation that But it seems as how my co from his mind, An' now the boy's in trouble

His letters came so seldom t o' knowed
That Billy was a-trampin' But never once imagined head in shaine,
An' in the dust'd waller his

He writes from out in Der mighty short;
I just can't tell his mother; ol' heart! An' so I reckoned, parson, Bill's in the Legislatur', but

HIDDEN STR

In one of the prairie ern Iowa, where the Railroad now passes fr Sioux City, lived a we perience repeats the t ent forces, ready to be waiting for the emer may bring.
She was born and New England. With t

a country school and a neighboring city, she scholar - not at all was married at twenty farmer, poor, but intel tious. In ten years af their parents they em and invested their mor bade fair to increase in away from neighbors. a happy family, for five husband died, leaving thirty-five with four nearly fourteen and th The blow came sudd was overwhelming. Alone, in what seen derness, she had no t up the farm. It w

must stay and do the The prospect of a rail in time, was good; land might be sold. had been laid by ought to touch for the the hired man, who l them and was a devo vant, she determined ment was excellent in Hitherto the boys to school a mile or tv

tlement in Iowa was schoolhouse. They quick to learn. The then a good book na into this household of reading herself, w house she drifted alo

ten. It was the parents that their so educated. Now Jerry and Th must be kept at hon mer to work. Nate help at night and n had always been t obedience. They w

cial application had

One evening, alo she overheard some tion as the child gether around the "I don't mind t dore, "if I could o Father used to say a civil engineer "If father wa year-old Nate, ings and recite to

could help; but mother's-"Help how?" sharply, before N sentence; and she she the best mother "Yes, she is, at too: but I was j

only knew a lot al she could tell you. gravity of a man, and help all we ca hard enough for m give up school a Thede, you shall g

way. "Shan't we be ter?" said little Jo no part in the con "Won't mother be father back," and warning he burst Dead silence for

outburst was so st were all weeping. who spoke first. us crying. Come Bone and all go Then she heard th

Desolation fell for the next hour. remark had passe "Father could have she help her boys ready to die? W who prepared the of their clothes? part of the very l thought it all ove the night. If she terest in some str

them all togethe could lead! Was

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#### OUR HOMES.

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TO

He'd miss his father's counsels, an' his mother's flash and that very evening the question friends, new settlers came in, and now

#### HIDDEN STRENGTH.

In one of the prairie towns of north-In one of the prairie towns of north-ern Iowa, where the Illinois Central found she could teach and also inspire her pupils. Railroad now passes from Dubuque to Sioux City, lived a woman whose experience repeats the truth that inherent forces, ready to be developed, are waiting for the emergencies that life with the state of a gully five or six miles away where crystals had been found. Water and way where crystals had been found. Waking a holiday, for which the boys worked like Trojans, they took their lunch in the farm wagon and rode to vacant chairs tog.

She was born and "brought up" in New England. With the advantages of a country school and a few terms in a neighboring city, she became a fair scholar—not at all remarkable; she was married at twenty-one to a young all the sewing; gring out to the spot; and, if their search was not always successful, it left them the memory of a happy time.

In the meanwhile the farm prospered. She did all the work in the house, and was married at twenty-one to a young all the sewing; gring out to the spot; and, if their search was not always successful, it left them the memory of their mother might fall upon them. They could ask nothing beyond that!—Christian Union.

WORK. was married at twenty-one to a young farmer, poor, but intelligent and ambitious. In ten years after the death of their parents they emigrated to Iowa and invested their money in land that bade fair to increase in value, but far away from neighbors. Here they lived, a happy family, for five years, when her husband died, leaving her at the age of thirty-five with four boys, the eldest to some seems of the work in the house, and all the sewing; going out in the garden, too, here she raised a few flowers and helped to gather vegetables. Daniel and the boys were bitterly opposed to her helping them.

"Mother," said Jerry, "if you won't god did anoint the with his odorous oil, To wrestle, not to reign; and he assigns All thy tears over, like pure crystallines, For younger fellow-workers of the soil To wear for amulets. So others shall Take patience, labor, to their heart and hand, from thy hand, and thy heart, and thy brave cheer,

thirty-five with four boys, the eldest fields." thirty-five with four boys, the eldest nearly fourteen and the youngest nine.

Generally she yielded; her work was And God's grace fructify through thee to all. The least flower, with a brimming cup, may The blow came suddenly and at first enough for one pair of hands. Through was overwhelming.

The prospect of a railroad passing them to the work; but these babits of study in time, was good; then some of the were not to be broken. in time, was good; then some of the land might be sold. A little money had been laid by — nothing that she ongot to touch for the present. Daniel, the hired man, who had come out with them and was a devoted friend and ser-

tlement in Iowa was never without a old Daniel to take his native Rhode Is They were bright and land. quick to learn. Their father had been eager to help and encourage them.

then a good book had found their way her books." cial application had been almost forgotten. It was the ambition of both day afternoon. parents that their sons should be well

Now Jerry and Thede, the two oldest, they want to look into everything." must be kept at home during the summer to work. Nate and Johnnie could story of their evenings' work. The deep had always been trained to habits of light shone clearly and brightly from obedience. They were affectionate, and that sitting-room window, and a merry she knew she could depend upon their group was gathered around the table.

she overheard some part of a conversa- in advance and faithfully studied. tion as the children were sitting together around the fireplace.

"I don't mind the work," said Theo- came by Jerry's exclamation: dore, "if I could only be learning, too.

Father used to say he wanted me to be are all having such a good time." a civil engineer."

only knew a lot about everything, why.

she could tell you." hard enough for mother. I just hate to life.

Won't mother be afraid? I want my ure that brought them into a new world people contrive to make of a day; it is

outburst was so sudden she knew they natured mirth was never repressed. were all weeping. It was Jerry again who spoke first. "Don't let mother see Bone and all go down to the trap." of several miles, and during many days the roads were not passable. She had follow after, like a company of well-

for the next hour. Like a knife Nate's remark had passed through her heart. who prepared their meals and took care of their clothes? She wanted to be a part of the very best of their lives. She

These lessons were varied by a little cret—the magic word now! Make terest in some study that should bind them all together, and in which she could lead! Was she too old to begin? They learned the Psalms, much of Isaiah, may regret.

BILLY. HE'S IN TROUBLE.

The got a letter, parson, from my son away out West, and my of heart is heavy as an anvil in geology this summer and study it, all of us together. I have control to them taken such a hold upon her.

A few weeks after, she said one morning at the breakfast table: "Boys, I've been thinking that we might begin geology this summer and study it, all of us together. I have control to the fire, as others do upon music. How many of these times came to her in after life!—a vision of the bright faces of her boys as they clustered affectionately around her.

The got a letter, parson, from my son away is not to the state of the state

I know that's big temptation for a youngster in the West,
But I believed our Billy had the courage to resist.

An' when he left I warned him o' the everwaltin' suares
That lie like hidden sarpints in life's pathway.

They lived in a limestone between became an engineer; Nate a minister; Johnnie went into business. Theodore used to say:

"Mother, as I travel about, all the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones and flowers make me think of the property of the stones are the difference between the property of the stones are the difference between the property of the stones are the difference between the property of the stones are the difference between the property of the stones are the difference between the property of the stones are the property of the stones are the difference between the property of the stones are the difference between the property of the stones are the difference between the property of the stones are the difference between the property of the property o An' when he left I warned him o' the everwaltin' snares

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An' when he left I warned him o' the everwaltin' snares

An' when he left I warned him o' the everwaltin' snares

be ready and wide awake for her class. They lived in a limestone region. Dither forms of coral abounded and other fossils were plenty. An old cupboard in the shed was turned into a cabinet. One day Nate, who had wandered two or three miles, brought home a piece of rock where curious, finger shaped creatures were embedded. Great was the delight of all to find them described as orthocoralites, and an excursion was planned for the next holiday. Question after question led back to the origin of the earth. She found the nebular hypothesis, and hardly slept one inght trying to comprehend it clearly man.

Stocess. She had to study each day to be ready and wide awake for her class. They lived in a limestone region. Ditherent forms of coral abounded and other fossils were plenty. An old cupboard in the shed was turned into a cabinet. One day Nate, who had wandered two or three miles, brought home a piece of rock where curious, finger shaped creatures were embedded. Great was the delight of all to find them described as orthocoralites, and an excursion was planned for the next holiday. Question after question led back to the origin of the earth. She found the nebular hypothesis, and hardly slept one in the dust'd waller his ol' daddy's honored man.

An' move the boy's in trouble o' the very wustest kind!

When Jerry, who had remained faith-to all parts of the property. Before the wall and think with several miles of roads with paved gutters, iron gratings, concrete sidewalks, and broad broad broad the banks of the terms. Nate said: "Mother, when I am reading a palm in the pulpit, there always comercially streading into little greens and commons planted picturesquely.

All the natural wood and the banks of the stream which passed the place we night trying to comprehend it clearly like mother to me." name.

He writes from out in Denver, an' the story's might trying to comprehend it clearly enough to put it before the others in a simple fashion. By and by they classified each specimen, and the best of their ol' heart!

I just can't tell his mother; it'd crush her poor ol' heart! An' so I reckoned, parson, you might break the kind were taken to shelves in the sit-

news to her—
Bill's in the Legislatur', but he doesn't say what fur.

Denver Post.

Her enthusiasm in study was aroused, and far from a hardship, it now became and far from a hardship, it now became homes!" a delight. Her spirit was contagious.
The boys, always fond of "mother," wondered what new life possessed her, but they accepted the change. She tond he could be received to the change. She tond he could be received to the change.

her pupils.

lunch in the farm wagon and rode to vacant chair, he prayed that the mantle

enough for one pair of hands. Through it all ran the thought that her children —Elizabeth Barrett Browning. Alone, in what seemed almost a wilderness, she had no thought of giving educated then; she would not let them up the farm. It was home. They must stay and do the best they could. Winter came. Now Daniel could see

them and was a devoted friend and servant, she determined to keep—his judgment was excellent in farm matters.

Hitherto the boys had gone regularly to school a mile or two away; for a set
Hitherto two away; for a set
The incident took place after Mr. Linguards and being six in number, they called each other, for the time, after the six states, persuading to school a mile or two away; for a set
States, which the younger entire were studying. Beginning with the New England settlements, and being six it in the incident took place after Mr. Linguards according to compare the incident took place after Mr. Linguards according to compare the six states, persuading to school a mile or two away; for a set
states, which the younger entire were studying. Beginning with the New England settlements, and being six in coln had been to Congress. We might query how many representatives of 250,000 men would forget themselves azine.

"That woman beats all creation," he

"I never had such pupils," said he, "as your sons in history; and indeed Afterward he heard with delight the

elp at night and morning. The boys snows often shut them in, but the red

"Oh, mother! Don't go home; we

"If father was here," said eleven-year-old Nate, "you could study even-studied botany. She knew the name "And watch closely the habits of the birds. It was a pure, simple life. It would have been too wild and lonely but for the charms of this devoted mother. Her hours of loneliness were hidden from them, but she learned to an unusual too; but I was just thinking if also degree to throw every construction. too; but I was just thinking, if she degree to throw every energy into the a good time. It was just like him." day's work of study, and create, as it were, a fresh enthusiasm for the present "Well," replied Jerry, with all the hour. Her loving sacrifice was rewarded. gravity of a man, "we must take hold Each child made her his peculiar confi-

Never before had the desire to become and many hymns, repeating them in conthe very center of interest to them cert, learning to count upon this hour

An' my or neart is neavy as an anvil in my breast.

To think the boy whose futur' I had once so proudly planned
Should wander from the path o' right an' come to sich an end!

I told him when he left us only three short years ago.

H'd find himself a-plowin' in a mighty crooked row—

The children's unterest awake in a study it, all ately around her.

Time rolled on. A railroad passed through. A village sprang up, and the land was ready to sell. She could keep enough for her own use, and the boys could find himself a-plowin' in a mighty crooked row—

The children's unterest awake in a large around her.

Time rolled on. A railroad passed through. A village sprang up, and the land was ready to sell. She could keep enough for her own use, and the boys two every night."

The children's unterest awake in a large around her.

Time rolled on. A railroad passed through. A village sprang up, and the land was ready to sell. She could keep enough for her own use, and the boys two every night." The children's interest awoke in a home was kept bright and pleasant;

"There never were such good boys

They heard of a gully five or six miles chairs together. No one spoke until

"Boys, let us pray." And then, all kneeling around her

Lincoln as a Baggage Man.

Many an act of kindness has been left it yours? undone because it carried with it a seeming loss of dignity. The following letter of a lady of Springfield, Ill., published in McClure's Magazina shows the great man we all delight to honor. Mary Ellen Lease, and bundle of hay

enough to do the same thing. children," the lady was heard to exclaim, "the way she them for whom he had not done some "knew him, for there was not one of

Mr. Lincoln came by.

Five years they lived in this way, and trunk stood, locked and tied. 'Oh, ho!'

## Prompt People.

Don't live a single hour of your life and help all we can; it's going to be dant. She became the inspiration of his without doing exactly what is to be done in it, and going straight through "Won't mother be afraid? I want my father back," and without a word of warning he burst into tears.

Dead silence for a few minutes. The us crying. Come, Johnnie, let's take church in this town, but at a distance first one that comes to hand, and you leaned upon Infinite Strength, gathering drilled soldiers, and though work may wisdom through all these experiences. be hard to meet when it charges in a "Father could have helped!" Couldn't everything she desired that the Scrip- often seen the anecdote of the man who she help her boys for whom she was ready to die? Was she only "mother" dren. She took up Bible characters, in his life. "My father taught me," thought it all over, sitting up far into the night. If she could create an in-

trict laid out their plan in what was then the usual way: they made streets of prairie soil with neat open ditches on each side, and they left proper spaces

borrowed a large sum of money at a loveliness or a worth which is as imhigh rate of interest. With this they underlaid the land with several miles of these qualities an element and motive roads with paved gutters, iron gratings, concrete sidewalks, and broad borders frequently spreading into little greens and commons planted picturesquely.

Self-reliance, self-restraint, self-discipline, these constitute an educated will.

James Freeman Clarke. All the natural wood and the banks of Circumstances: The man of genius the stream which passed the place were creates them, the man of talent uses made public property, and shelters, seats them, the fool looks at them without bathing and boat houses were provided seeing them. upon it. An artesian well was sunk, If all the sunshine was poured on us, and with a steam-pump water was sent to all parts of the property. Before these improvements were nearly complete the owners began selling land upon the roads at twenty dollars the front to the roads at twenty dollars the roads at twenty foot, and soon afterwards advanced the Whitney. price to thirty dollars, and then gas was introduced. The price of land rose, even in the outskirts, in two years, from better life for its child, and every martyr eighty to one thousand dollars an acre. gains some good for those following. it is evident that the first community looks at it, but it is not meaningless has had to expend many times the nor fruitless. The day breaks slowly amount wisely spent in the beginning and the sun, as yet, bardly pierces by the other. These instances suffice to through the black cloud; but the east show, in a way that ought to appeal to is glowing, and the darkest is past .the most conservative, the pecuniary im- Ian Maclaren. portance of thorough preparation .- At-

#### Campaign Amenities.

The late Presidential campaign lent additional piquancy to a political anecdote of the Montana Congressional elec-

tion two years ago.
Mr. Corbett was the Democratic candidate and Mr. Smith his Populist opponent. It appears that one day, in their campaign, they travelled a short distance in company. They had a very interesting conversation, and in consequence Mr. Smith was compelled to leave the car hurriedly when his station was reached. He caught up one of the two travelling-bags in the seat in front and rushed out. A few miles further on Mr. Corbett left the train, taking the other bag. He reached his hotel without noticing anything unusual. The following telegram, however, was wait-

"I have the wrong bag. Contains plug of tobacco, bottle of whiskey, sixshooter, and Democratic platform. Is

lished in McClure's Magazine, shows "I, too, have the wrong bag. Conthe self-forgetfulness and kindness of tains 'Treatise on Dynamite,' picture of

## Wages in 1800.

Newspapers, magazines, and now and works all day and goes on at night over kind deed. My first impression of Mr. "the mechanic," had no existence as What we call the "workingman," Lincoln was made by one of his kind classes. Labor was performed almost then a good book had found their way into this household. Though very fond of reading herself, with the care of her house she drifted along, as so many do, until the discipline of study or any special than the work in the work of the work of the district school came over one Saturstates were thousands of Irishmen, "The day came, but as the hour of Scotchmen, Englishmen, Germans, who the train approached, the hackman, in return for transportation from the through some neglect, failed to cail for Old World to the New, had bound my trunk. As the minutes went on I themselves by indenture to serve the realized, in a panic of grief, that I captain of the ship that brought them should miss the train. I was standing over. Soldiers in the army received by the gate, my hat and gloves on, sob- three dollars a month. Farm hands in bing as if my heart would break, when New England were given four dollars a month and found their own clothes. "Why, what's the matter?" he asked, Unskilled laborers toiled twelve hours Every two weeks an evening was and I poured out all my story.

given to some journey. It was laid out "How big's the trunk? There's the turnpikes then branching out in Once, Theodore remembers a shout of laughter was raised when nine o'clock dollars per month from November to "My mother and I took him up to May, and six dollars from May to Nomy room, where my little old-fashioned vember. When the road from the Genesee River to Buffalo was under conhe cried, 'wipe your eyes and come on struction, in 1812, though the region through which it went was the frontier, "And before I knew what he was men were hired in plenty for twelve wear-old Nate, "you could study even-ings and recite to him. I wish mother could help; but then, I guess that mother's—"
"Help how?" she heard Jerry ask,
"Help how?" she heard Jerry ask,

## To Sweep the Globe.

Everywhere that village improvement takes active form we find women connected with it, for there is something about it congenial to the feminine temperament, even as the intimate connection between a woman and a broomhandle is an obvious and natural fact. way."

"Shan't we be lonesome next winter," said little Johnnie, who had taken no part in the conversation until now.

"Won't mother be afraid? I want me."

"Won't mother be afraid? I My lady's quick eye, her relentless spirit,

> -The sunflower bears 4000 seeds, the poppy 32,000, and the tobacco 70,000.

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And make the Analysis of the A Loyalty to memory which death has for sidewalks, along which trees were planted. They hit upon a good name, derly in your heart of hearts, is no replanted. They hit upon a good name, issued lithographs, and advertised,—with no very profitable results.

derly in your heart of hearts, is no rehearsal or babbling of the name to private, much less to public, ears; but it is The managers of the other district cherishing a beauty, an innocence, a

In the twenty years of their existence It is a ghastly struggle any way one

"Tears, idle tears, i know not what they mean," wrote the poet
Tennyson.
But tears always mean something.
There are tears of melancholy, tears ancholy, tears of joy, and of despair, and those saddest most pathetic tears of the

Acargin/ tears of the nervous over-wrought wo-man who has been bearing up as bravely as she may under a daily burden of that they are not oftener in tears for all they have to bear and suffer; and the saddest thing about it is how little their sufferings have to bear and suffer; and the saddest thing about it is how little their sufferings are understood. Even the doctor, nine times in ten says: "Oh, a little nervousness, that's all' or "neuralgia," or "insomnia," or "dyspepsia." If he suspects the real cause he insists upon examinations and local treatment,—about the very worst thing possible to a nervous, overwrought woman. There is no need of these repugnant methods. Any woman may insure health and strength in a womanly way by the use of Dr. Pierce's Favorite Prescription. It cures the weaknesses and diseases of the

and strength in a womanly way by the use of Dr. Pierce's Favorite Prescription. It cures the weaknesses and diseases of the feminine organism absolutely and completely. It was devised for this special purpose by one of the most eminent and experienced physicians in this country; an expert specialist in women's diseases.

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by a mere notes of uncutcated, unscientific person, but by the most competent medical authority anywhere obtainable. All women should read Dr. Pierce's thou-sand-page illustrated book, "The People's Common Sense Medical Adviser." It contains more clear and comprehensive advice on medical subjects than any other book ever published. A paper-bound copy sent free for twenty-one one-cent stamps to pay the cost of mailing only. Or cloth-bound for thirty-one stamps.

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## Household MAGAZINES

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Mass. Ploughman, Boston, Mass. 

# About the year 1870 two suburban speculations were begun in the neighborhood of Chicago. One district was situated nine miles from the town; the other, six; but both were on the same railway, and land in each was worth from one hundred to two hundred dollars an acre. The managers of one district laid out their plan in what the state of the same of the same and the same of the



Henry F. Miller **Pianos** 

Have been before the public for so many years that to make mention of their superior quality is but to repeat what is already well understood. They have stood the test of years and are endorsed and recommended by the best musicians of the country.

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# Henry F. Miller & Sons Piano Company,

88 Boylston Street, Boston, Mass.

# FARMS FOR

BREEZY HILL FRUIT FARM. 27 acres well divided, mowing, tillage and pasturage; 2820 one of the best markets in the state. Brick hase inine rooms, painted, two open fireplaces; wood house, barn, mil's and ice house, greenhouse for early vegetables, hotbeds and sashes. Henner; for 100 hens, buildings in good condition. Fine apple orchard in bearing two peach orchards of over 200 trees; crop of 1894 over 40 bushels. Young orchardiof apples, cherries and plums just beginning to bear, besides a dozen plum: two dozen pear and seven cherry trees in fine bearing. One half acre black and red raspberries. Strawberry bed, some currants and blackberries, 150 choice grapevines bearing finely. Spring fed pasture; timber of all kinds in pasture. 100 young walnut trees beginning to bear. Lettuce, beets, and turn ipps grown for early market. Ready sale for veg etable plants. Vegetables grown and marketed in 1894 150 bu. tomatoes. 20 bu. onions, 35 bu. potatoes, 25 bu. turnips, 20 bu. beets, 18 bu. carrots, 500 cabbages and 2000 celery. Barn with cellar, two stalls and two tie-ups. Near good school, fine neighborhood, 2½ miles to P. O. stores and churches. Will include pots, crates, boxes, etc., on hand, upwards of 1000. A fine yard in front house with shade, shrubbery and flower beds; facing south. Village in sight. This property is free and clear. Price for quick sale \$1600. Part can lie on mortgage. This is the bargain of the year. Curiosity seekers need not apply. Owner is going south. Further information freely give:

TRUIT AND POULTRY FARM. 10 acres.
I with one of the best peach orchards in Mass.
1000 fruit trees of various kinds, all bearing, except 100 peach trees recently set out. 1000 Fays Prolific currants, 4 years old; hotbeds for 80 sash. Buildings in excellent repair: house 14 rooms, barn, carriage house, shop and hennery, all nearly new; running water at house, barn and hotbeds. Excellent neighborhood, 1 nile to stores P. O., churches and station, 9 to city of Worcester. Being convenient to the very best markets in the state, this place is especially adapted for the fruit and poultry business as investigation will show. Price \$6000. ½ can lie on mortgage.

TWO HUNDRED ACRE Commecticut River one field. Perfect land; every foot tillable and very productive. 70 acres pasture, 50 wood and timber. 300,000 feet timber ready for market. Mill less than ½ mile of farm. Nice old style farm house, some 12 or 14 rooms. Barns 100256 and 132x43 and connected; piggery 127x15. All newly painted and arranged in the most modern and convenient order. Cellar under entire barns, divided into four sections, running water in each section. Water to all buildings from two never failing springs. 150 ton sile. Stable fitted with the "Bidwell Adjustable Stall." Cuts 100 tous hay and fodder. Keeps 55 head cattle, 5 horses, 30 sheep and 50 swine. This farm is only four minutes from station; stores, churches, and schools near. This valuable property is offered with or without stock and tools. As a stock farm it cannot be excelled. Investigate this. Personally examined. Photograph at office of J. A. WILLEY.

MILLES from BOSTON, 58 acres extra grase cut phouse, 10 rooms, painted and blinded. New barn, clapboarded and painted; fine cellar, woth childings; plenty fruit, wood for home use, 10 rooms, painted and blinded. New barn, clapboarded and painted; fine cellar, vater at buildings; plenty fruit, wood for home use, 5, fowls, and resolves from stations, stores, planted and the farm for the one of the first of the first of the first of the first of

ACRE FARM on Boston & Albany road, within three miles of the city of Mariboro, A splendid opportunity for milk and vegetable business. Buildings all painted and in good condition. Eight-room house; barn 40x80; piggery, hemnery, and other outbuildings. Wood enough to more than pay for farm; good market for same. Level land, easy to cultivate; grass cut by machine. Will carry 20 head and team. Best of water at house and barn. Price \$7000. Easy terms. Will rent to responsible parties with privilege of buying. Address J. B. PARMENTER, 12 Maple St. Marlboro, or Mass. PLOUGHMAN.

IF YOU WANT a GOOD FARM, buy this 93
acre one. Level, free from stone; 25 tillage
(10 intervale), 60 pasture, balance wood. Owner
will include 6 cows and keeping for the winter;
will keep 18 head and 3 horses. Nice house 9
rooms, piazza on three sides. Barn 32x70. New
silo. Cuts 25 tons hay and 50 tons ensitage; fine
water at house and barn. 2½ miles to stores,
depot, churches, ¼ mile to school. Price \$3150.
One third down; might do better for all cash. Address owner, CHARLES A. STEVENS,
WINCHESTER, N.H..., or
J. A. WILLEY, 178 Devonshire St., Bostor.

CUTS NEARLY 100 TONS HAY, will pasture 20 to 25 head; running water in all buildings by pipe; 427 acres, finely located, everything in thrifty condition, hay having been spent on place quantities of apples, pears, plums and cherries; 1 mile to depot, P. O., stores; two other villages within 1½ miles Good two-story house, one barn 40x80, one 30x40, one 20x30; carriage house, 2 ells, other out buildings. Borders handsome sheet of water 34 mile. Frice \$4000, ½ cash, which is less than buildings cost. Large list of farms and village places, for particulars of which address E. H. CARROLL, Warner, N. H., or J. A. WILLEY, 178 Devonshire St., Boston.

MILES from new and first-class school public library, store/ depot and ten churches; purest water in New Lugland; 70 trains daily; 24 miles from Boston and near other large markets; 15 acres, half mowing and tillage; wood for house so elight rooms; barn and shed, 6 small hen houses and one large one 140x cash, which is less than buildings cost. Large list of farms and village places, for particulars of which address E. H. CARROLL, Warner, N. H., or J. A. WILLEY, 178 Devonshire St., Boston.

SUNNY SIDE STOCK FARM. This farm of 90 acres with 12 cows, 2 horses, breeding sow, poultry, 25 tons hay and fodder, double and single harnesses, 2-horse wagon, express wagon, milk wagon, milk sleigh, mowing machine, tip cart, plows, harrows, horse hoe, weeder, ½-roller, grindstone, feed cutter, feed box, all small tools, cans, churn, Cooley creamer, refrigerator, pails, butter worker and stamp, steam boller and piping for steaming feed; milk and butter route. 1½ miles from live village, good R. R. and mail tacilities; market for farm products. A chance to step into a paying business from the start. Good and convenient buildings. \$500 worth wood and timber to sell; orchard, 3 good wells. Price for all \$3000, one-half cash.

COSY PLACE for old people or for ladies who want to keep a few hens; 1½ to 2 acres. One-hal in fruit. 7 room house; high and dry, near good neighbors, Shed, carriage house, (and henhouse. Projected electries to pass. Price niy \$700; one-half cash.

POULTRY PLACE. 6 acres land; 7-room house. Stable and several poultry houses. Water at house and barn; fire spring, brook through farm. 1½ miles to one station, 2½ to another, 22 to Boston; some fruit. Sell or exchange, price \$1800.

21 MILES from BOSTON, 58 acres extra grass and; grass cut by machine. 1½ story house, 10 rooms, painted and blinded. New barn, clapboarded and painted; fine cellar, water at bnildings; plenty fruit, wood for home use. Included are 17 cows (just been tested), pair horses, fowls, everything in the line of farming tools and machinery, and in good condition. One and two miles respectively from stations, stores, P.O., churches and schools. Milk sold at the door each day for 32c per can the year round. Price for all \$5500, part cash; free and clear.

MILK FARM, with well established milk route. Only 25 miles from Boston. Large 2-story house, not two years old, bath room, hot and cold water, furnace, etc. Fine stable, 2 hen-houses, one 16x100 with heater. 48 acres dark loam, clay subscit. 27 fruit trees, different kinds. Ten cows, 2 horses, 3 hogs, 28 fowl, all farming tools, wagons, carts, mowing machine, tedder, horse rake, plows, roller, harrows, etc., every thing included. Price for all \$6300, part cash. Only one mile to stores, station, P. O., churches, and schools; level land, free from rocks, easy to work; no incumbrance. Six and seven cents obtained for milk. If you are looking for a bargain buy this.

ACRES, village place. 34 mile to P. O. and churches, 200 yds, to stores and schools, 32 mile to station. Active town, 6000 inhabitants. One hour from Bostom. Nice loam, free from stone; keeps cow and horse, cuts 5 tons hay. Some apples, pears, and grapes. Cottage with ell, 11 rooms. Barn nearly new, 28x30. Fine water in house, good buildings. Price \$3350, \$1500 down.

O ACRES on MAIN LINE B. & M., ten miles from Boston. Soil very best of black loam. Fruit consists of 80 apple trees, 40 pium, 3e peach, 6 cherry, 6 quince; 15 shade trees. House 10 rooms and bath; stable 30x32, cellar under all. All buildings painted and blinded and built three ears ago. Price \$5500.

VILLAGE MILK AND VEGETABLE FARM.

18 miles from Boston; 10 room house, barn, shed, carriage house. 2 poultry houses; running water at house and barn. Retail milk route. 125 qts., 7c the year round. Barn full of hay, 75 tons of ensilage in silo, quantities of fruit, 16 head, 3 horses, swine and poultry, all tools and farm machinery, carts and wagons. Here is an established business, an income from the day you start, all for \$6500.

A LL STOCKED.—For sale, 145 acre river farm A 1½ miles from city of 28,000, 40 from Boston. 7 room house, barn 40x100, with cellar; 2 poultry houses (one cost \$1500). Now carrying 50 head and 5 horses. Milking 30 fine Jersey cows. Owner sells milk at door; an excellent opportunity for retail route; also market gardening. Four acres Crosby sweet corn; this crop for years has been marketed with a leading seed house; crop for '96 is engaged. Best of water on farm and at buildings. 1½ acres in strawberries, 25 grafted apple. Age of owner demands a change.

DOUBLE VALUE in this 20 acre farm. Why? Ist. Because it is nine miles from Boston markets and is run as a market garden farm. 2nd. Every foot is valuable for building lots. Only two minutes to station, 40 trains daily; water, lights, and electrics through street. Large cottage house 12 rooms, steam heat; barn 42x60 with sub cellar; 75 ft. carriage shed, 300 feet frame for winter sash. Sold on very easy terms as a whole or in sections, or will exchange for property on the O. C. R. R. or in R. I. Personally examined.

M ANY OTHER DESIRABLE FARMS for sa Any size, price or location desired—Addres MASS. PLOUGHMAN

> -OR-J. A. Willey,

IAN'S



cheap brands. BOYAL BAKING POWDER Co., New York.

#### THE HORSE.

-Badge 2:07 1-2 will be raced in New England this year.

offer of \$30,000 for Allerton 2:09 1-4.

-It is stated that there are at present Cut three pounds of beef from the about 2500 trotters in St. Petersburg,

-A shipment of 206 horses for the New York.

2:00 1-2, L. G. Tewksbury, recently refused \$25,000 for him

a quarantine law against horses from cooked, and simmer two hours. Cook one-third cupful each of carrot, turnip, Missouri. This legislation is the result onion and celery in two tablespoonfuls of Missouri excluding Arkansas cattle of butter, five minutes then add to soup

-It is announced that the famous of marjoram, two sprigs parsley Palo Alto breeding ranch, where so one-half bay leaf. Cook one and one-half many record breakers were bred by the hours, strain, cool quickly, remove fat, order to support Stanford University.

-The grand prize of St. Petersburg with Poached Eggs. was won by the American trotting mare A little of the yellow rind of a lemon Valley Queen 1:15 1-4, by Sphinx may be added when the soup is cleared crusher, and cited North Easton as an keys. Wild stock was obtained from 2:20 1-2, dam Pinafore by Strathmore. Monette and Nominee, both Americans, finished second and third, respectively.

many on the charge of ringing the mare and cook until set. Serve in the Con-Bethel resulted in conviction, followed somme by a sentence of nine months in prison, a fine of 1000 marks, and forfeiture of scalded milk over one-fourth cupful but-Bethel to the German government. ter, one and one half tablespoonfuls Seven months of the sentence of im- sugar and one-halt teaspoonful salt. prisonment have already been served, Cool, add one cake yeast mixed with pending the appeal taken by Kneebs.

A wise man is on the lookout for a good thing. German Peat Moss, sold by C. B. Bar. and bake, having a hot oven at first. rett, 45 North Market street, for horse bedding, is one of the good things of this world.

WOLCOTT, VT., May 27, 1801. Dr. S. A. TUTTLE:-Having used your Elixir for some time, curing a sprain and several ailments in horses, I can cheerfully recommend it to horse owners. Respectfully,

Small Prices for Vehicles and Harness. The Elkhart Carriage and Harness Mfg. Co., Elkhart, Ind., have for 24 years been selling their goods direct to consumers at factory prices. Horse owners should send for large, free catalogue that will save them money.

## Ground Bones.

at \$10 per ton and cost of grinding them | chopped fine, three eggs (whites and at \$10 more, will make the cost of one yolks beaten separately). Season with ton of ground bones \$20.

contain 60 lbs. of organic nitrogen and Sauce. 400 pounds of phosphoric acid; 375 To give added flavor, a little Worcespounds of nitrate of soda will furnish tershire sauce or walnut or tomato catpounds of nitrate of soda will turnish sup may be added to the mixture before baking. This is a good dish for lunchof soda: 1350 pounds of powdered phose eon or hot supper, and serves to utilize phate of lime 30 per cent will furnish cold mutton or lamb. Veal and chicken 405 pounds of phosphoric acid, and this may be served in the same way. mixture will cost with nitrate of soda, at 2 1-2 cents a pound and powdered cupful butter, add one-fourth cupful and short fingers. The brain will be phosphate of lime at 3-4 cents a pound, flour, and brown; pour on one cupful deeply seated. This is indicated by the that environment brings quality rather than the property of the control of the phosphate of lime at 3-4 cents a pound, and one-fourth cupful strained to817.25 for only 1725 pounds, equal in stock and one-fourth cupful strained tolaying? \$17.25 for only 1725 pounds, equal in mato. Add one sprig parsley, three cloves, one slice onion, a bit of bay leaf, an intermission of temperament, is a leaf of the pure bred in horses, cattle belong to the pure bred in horses, cattle belong to the pure bred in horses, cattle up wheat. I should feed a variety of

its most available form. There is also Cook ten minutes, strain and serve. 185 pounds of sods which is not to be had in using bones alone.

The phosphoric acid in the powdered phosphates of lime is more available ful chestnut puree add two beaten eggs, are prejudicial to longevity, for there for contain shaped tails and such points. than the phosphoric acid in ground a few drops of onion juice, one-fourth children mature earlier. Cold climates, We were not after vigor. The Black a principle. It is a mistake to tell all you bones, because the powdered phosphate teaspoonful salt, two tablespoonfuls on the other hand, are unfavorable to Spanish was once a great egg producer, know. A farmer, as soon as he makes sion than ground bones, and fineness of minutes, stirring vigorously, cool, shape division is the measure of its availabili- into round balls, then in croquette form ty. The 135 pounds of soda are equiva-lent in alkaline action to 202 pounds of deep, hot fat. Serve star fashion around

effect of soda, "There is a direct effect side of the chestnuts and putting into of it, and in this direct effect of soda, the oven with a little butter. After a of growth with a resulting increase in Wyandottes, Brahmas, Leghorns, etc., that is to say, of soda entered into the few moments the shells can be easily results. There are many conditions mixed together. My 125 hens said plant, has proved during my investiga- removed. Cook the chestnuts until tion of such importance that further re- soft in boiling water, then put them searches in that direction are of very great moment." In his opinion, "the decided preference expressed by Schultz- light, add one-third cupful milk, one and Luptiz for kainit as a potash (kali) salt, is, like the better yield produced with two teaspoonfuls baking powder, by the use of nitrate of soda as against with salt and pepper. Drop by the the cellar immediately and kept at a day. I add spices—cinnamon, ginger, sulphate of ammonia, attributable to the spoonful into hot fat, and fry until nearly uniform temperature. It should allapice. effect of the soda which kainit, as well brown and crisp, draining on brown as nitrate of soda contains, and which paper. heretofore has not been properly valued. ANDREW H. WARD.

This Opportunity Should Not be Lost! you all to write him about your complaints, tell him how you feel, and he will answer your These are delicious little puddings letter free of charge, explaining the meaning of and pretty to look at, as well, when every symptom, telling just what your trouble served in a glass dish with some of the is and how to get cured. Write him immedi- jam placed on the top of each one. Unstely. It will doubtless result in your cure. like most souffles, they will not fall if

All ingredients mentioned in the follow

ing recipes are measured level.

The egg basket was freely drawn Celebrated for its great leavening strength and healthfulness. Assures the food against um and all forms of adulteration common to ters and Cocoanut Souffle were prepared

the soup requires three kinds of meat, pers, Tomato and Horseradish Salad, veal, beef and chicken in its preparation.
The clearing removes the nutritious properties, so that it acts more as stimutrated. Single admission, fifty cents. -C. W. Williams recently refused an lant rather than nutrient, and is suitable for serving at the beginning of a heavy

poorer part of the round, into cubes; to give color to the soup, brown half of it in a little marrow or some of the fat with the meat. To the remainder add present at the regular meeting of the gether the half bloods. Kill them. English cavalry was recently made from three pounds knuckle of veal cut in Stoughton Grange, Monday evening, ew York.

—The owner of John R. Gentry pieces, one pound of marrow bone, three quarts of cold water and the browned meat. Let stand one-half hour, heat slowly to the boiling point and cook gently three hours. Add one

The Arkansas legislature has passed quart of liquor in which a fowl has been dear the hours. Cook been meeting was turned into the hands of birds of breeders and put vigor into cloves, three sprigs of thyme, one sprig sons, allowing the white and shell of one egg for each quart of stock. Serve

to give additional flavor, if liked.

salt slightly, drop into boiling saited wa--The trial of Robert Kneebs in Ger- ter, using a pastry bag with a rose tube

BREAD STICKS. - Pour one cupful one-fourth cupful warm water and the white of one egg beaten stiff. Add flour to form a dough. Knead, let rise until

The bread sticks are shaped by rolling out the dough, then cutting into braiding the rolls loosely together, or of long life are: forming them into knots or crescents. A glossy surface is given by brushing them over with white of egg diluted with a little water, and sugar added. Or 2. To be of calm, contented and cheerthe yolk of an egg diluted may be used. ful disposition. If the bread is made at night, use quar-

fuls flour and one pint hot milk; add the body. Estimating the value of whole bones two minutes. Add two cupfuls lamb salt, pepper and onion juice. Turn into longevity, and under favorable condibe so firmly fixed as the older breeds. a buttered dish and bake in a slow oven nons each individual should live his Suppose an average ton of bones to thirty-five minutes. Serve with Tomato

The nitrogen in nitrate of soda is in half teaspoonful salt and a little pepper.

very pleasing.

a big bunch of parsley.

Prof. Wagner says in regard to the For the chestnut puree, remove the through a potato ricer.

CLAM FRITTERS .- Beat two eggs until and one-third cupfuls pastry flour sifted and one pint chopped clams seasoned

COCOANUT SOUFFLE .- Scald one and one-half cupfuls milk, to which has been added one cupful of cocoanut, add onethird cupful sugar mixed with three The world is filled with suffering people who tablespoonfuls cornstarch. Cook ten can't seem to get well or find out what their minutes; add one tablespoonful butter, trouble is. Such people oftentimes cannot af- and the whites of four eggs beaten stiff. ford the time or expense of a trip to the city or Turn into buttered and sugared moulds, the large fees charged by the best physicians and bake in a pan of water about twelve It is for just these people that Dr. Greene, of minutes. This quantity is enough for 34 Temple Place, Boston, Mass., who is without ten small moulds. Serve with strawdoubt the most successful specialist in curing berry jam and a custard made with one diseases makes the following offer. He invites pint of milk, the yolks of four eggs, one-

Boston Cooking School, not served immediately on coming from the oven. If the eggs are large, three will suffice. The custard should be served cold, and, if the eggs are scarce, the yolks of two eggs and a small amount of cornstarch, or flour may be used. If the custard curdles from over-cooking, upon in the lesson of Wednesday morn- it may be brought back by beating with ing, Feb. 24th, each recipe used calling the Dover egg-beater or by pouring from one or more among its materials. one pitcher held high above another. Consomme, with Poached Eggs, Bread If a perforated plate is put over the cusprevent a skin from forming.

The next lesson will be given at the means, literally, cooked to shreds, and Bisque, Salmi of Grouse, Stuffed Pep-

#### THE GRANGE.

There were about sixty members the lecturer.

interesting. The first on the program instances to show that cross breds are with one tahlespoonful of salt, four was a piano duet by Mrs. Webster Smith best? and Mr. Jere Cotter, which received a well-deserved encore. Then the subject Island station. For three years in every for discussion, "The condition of our case the cross breds were at the top for late Senator Stanford, will be sold, in and clear as directed in previous les- country roads, and what is needed to weight. The cross of African upon make them better," was taken up. Mr. Toulouse gave birds larger than either George N. Drury was the first speaker.
He thought the town should own a stone
The best of the same is true of turexample. Brother Harry Southworth the West and the result of the infusion Poached Eggs—Beat the whites of two eggs until quite stiff but not dry, favor of the state building the roads. of the cross breds are not advertised, and He was followed by Bros. Smith, Gay, the bird are not taken to shows because Lamb, Maxwell and others, all of whom it is no object tor their owners to do so. seemed to think a stone crusher and They are of no use for breeding and wide tires would solve the problem.

with a piano solo by Mrs. Webster dealer of my acquaintance says "the

## The Conditions of Longevity

Professor F. W. Warner recently delight, cut down, shape, let rise again livered a lecture before the Academy of livered a lecture before the Academy of thoroughred fowls? I have supposed Science at Rochester, on the subject of that such breeds as the Plymouth Rock strips and rolling on the unfloured board life, and of calculating its probable durainto sticks, long or short, as liked best. tion from the appearance of the indivi-Fancy rolls may be made from these by dual. The principal natural indications

from long-lived parents.

LAMB SOUPPLE. — Melt two table- limbs, with a neck and head large rather Leghorns were first imported they were fine teathers, and he does not advise the spoonfuls bu'ter, add two tablespoon- than small in proportion to the size of

4. To be a long and sound sleeper. healthful parents he calls potential life out as uniformly as do the lower of cross-breeding in the improvement I do not agree with the outcry of some animals. Says Professor Warner:

large. The trunk will be long and the limbs comparatively short. The hand will have a long comparatively short. The hand large and ships a carload a day, says he sorts cooked or raw. A hen needs some hard grain. Her gizzard is given her to grind and must have compatible to the cooked or raw. A hen needs some hard twenty minutes. NOT ONE HOUR after reading grain. Her gizzard is given her to pain. Tomato Sauce. - Brown one-fourth will have a long, somewhat heavy palm one tablespoonful tomato catsup, one-half teaspoonful salt and a little pepper.

Cook ten minutes, strain and serve.

In intermission of temperament, is a pointry. It is close added to the prediction of the most excruciating pains being large.

That instantly stops the most excruciating pains grains. Corn has a tendency to fatten. It is a rich grain. But I meant to convey large, open and free indicate large.

Mr. Cushman—It has been my expetted that wins the victory.

Mr. Cushman—It has been my expetted that wins the large production. This is really a rich brown sauce, with lungs; a pinched and half-closed nostril a tomato flavor, and the combination is indicates weak lungs. Women are for beauty and for feathers than for prac-CHESTNUT ROULETTES.—To one cupgeneral health.

## Apples for Market.

The market demands quality rather than quantity, and to supply this many of our apple growers have enlightened themselves regarding the best methods which contribute to the best growth of seventy to eighty-four eggs per day in which contribute to the best growth of the fruit. Judicious pruning will tend Last week I had forty dozen eggs from the stock has been so much improved by to increase the quality and decrease the the 125 hens, fifteen of them sitting. I quantity. Then the picking, handling have been asked to give my system of and storing of apples require good feeding. My soft feed in the morning But the farmer should stick to one breed judgment. They should be picked by consists of the proportion of one quart of meal to three quarts of shorts, with hand, carried in boxes or barrels into scraps or meat meal added every other be remembered that apples that are Mr. Frost-Don't you give them any grown under a higher state of cultivation require the most care in successful keeping .- O. B. Hadwen, Worcester.

square mile is equivalent to about feed them clover, a bushel every day, 17,500,000 gallons of water.



► JOSEPH BRECK & SONS, 47 to 54 No. Market St., Boston

FARMERS' MEETING.

THE DISCUSSION. (Continued from second page.) - What do you think of green bone?

Mr. Cushman-It is all right. The bone cutter is a useful machine, but I don't believe that "a child can run them," as advertised. They require tard when it is set away to cool, it will considerable power. When fresh, green bones, are good, they are more easily digested and of better flavor than scraps; but unless you can feed it sweet, leave it rooms of the Cooking School, 174 Tre- alone. The small poultry keeper would ment street, Wednesday morning, March better to arrange with some one who Consomme - The word consomme 3, beginning at ten o'clock. Lobster has a large mill to supply the bone fresh as wanted. If you can't get fresh bone get scraps and dry cracked bone.

Mr. Van Norman -I am surprised at the advice of the essayist to breed cross breeds. It is easier to get what you want by breeding up pure breeds. It takes skill to pick out good ones. But cross breeds are unreliable.

Mr. Cushman-Keep on improving the pure bred parents on both sides, but kill the cross breeds for market, that was my idea. I didn't advise to breed to-Mr. Van Norman-But the common

called it to order. One candidate was Mr. Cushman-The man who doesn't ballotted upon and accepted. After the know how to cross right would do betand cook gently three hours. Add one regular business was transacted the ter to stick to pure breeds. But when them by crossing.

The lecturer's hour, as usual, was very Mr. Van Norman-But can you give

they are simply kept for eggs and poultry. But farmers have an object in The evening's program concluded booming their stock. A Pawtucket fanciers have such poor stuff I gave up calling on them long ago and I go to the farmers for market poultry." Of can the record be kept? course it is true that fanciers sell only

the culls for poultry. Mr. Coe, of South Natick-What are biometry, or the science of measuring and Wyandottes were merely crosses, not thoroughbreds like the Light Brahmas and Leghorns, for instance.

were derived from the old Shanghai, and paper.] or long life are:
the breed has greatly changed since first introduced. Nearly all breeds have been changed since they were imported. Some breeds are very old, like the Dorkings, which were known in old Roman days. The Langshan is about the only breed 3. To have a symmetrical form; that which has not changed much since in- most practical and common-sense prois, a full chest, well-formed joints and troduced into this country. When the duction that I have heard. The essayist have been selected and built up. Not any breed will breed absolutely true. breeds. I should recommend you to Sports occur, and only a few are up take a good deal of stock in this essay. The capacity for living inherited from to the requirement. The recently formed Mr. Ware of Watertown-What do breeds have a right to be called thor- you think of the relative value of corn oughbreds, although they may not yet and wheat?

of mongrel stock. The supply of west- writers against corn. I should feed it "The primary conditions of longevity ern poultry has been greatly improved with clover, fodder corn, rye, green by the use of pure bred males. One bone, and the like. I wouldn't be dealer who collects poultry in the West afraid to keep a flock on corn and meat, back to the farmers, at cost price, in Too much soft food will not do. Corn order that the stock may be improved. counteracts too much sloppy food or too

Mr. Van Norman-It appears to me much nitrogenous food.

rience that poultry fanciers select rather placed upon wheat at the expense of longer-lived than men, and married tical qualities. When I was a breeder Mr. Frost-Now I appeal to the for certain shaped tails and such points. No other business is conducted on such but has deteriorated as a result of atten- a little money, hurries to a farmers' tion to fancy points. The Minorcas meeting and tells just how it was done come from the same kind of stock, and have been less injured for practical uses. Mr. Richards-I have found that it

don't pay to keep birds over more than

Mr. Cushman-What breeds? Mr. Richards-I have many kinds-

"stimulant"? [Laughter.] Mr. Richards-The spices are the

stimulant. I give them all the soft feed they will eat. I believe in caring for my hens on the same elaborate plan that -One inch of rain falling upon one Mr. Frost cares for his strawberries. I cut inch fine, all they will eat. I put it dry into the feed boxes. I give them oyster shells and mica grit. At noon they get six quarts of oats scattered about so that they will scratch for them. At night I give them all the whole corn Mr. Cushman-Your feeding so much

corn may be the reason why your hens don't lay the second year. Rations suitable for pullets may not do for older

Mrs. Andrews-You spoke of regis.



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Mr. Cushman-They use a patent arrangement, by which the hen lays in the nest and then passes into another box, from which she can't get out until liberated by the owner. Each hen has a

[After further question on this subject the essayist agreed to send a description Mr. Cushman-The Light Brahmas of the contrivance for publication in this Mr. Sampson-Are incubator chicks

Mr. Cushman-No; if properly raised they are all right.

Mr. Varnum Frost--The essay is the not at all uniform, but the various kinds fine feathers, and he does not advise the

Mr. Cushman-If I couldn't get but Mr. W. D. Rudd-I agree to the value one kind of grain I would take corn.

s my business to give away informa Mr. Richards-I am a humble learner

have got much information. Mr. Rudd - The majority of our western poultry comes from Iowa, Illistock has been so much improved by crossing with thoroughbreds that we sure reliable seldom get the old-fashioned mongrels.

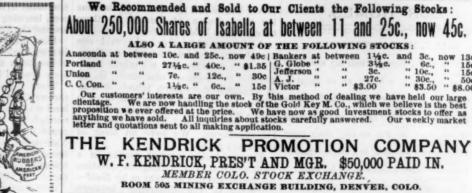
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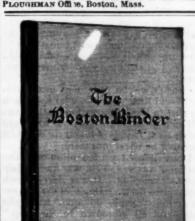
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